



COMMERCIAL VEHICLE
TRANSMISSION DIVISION

商用车变速器事业部

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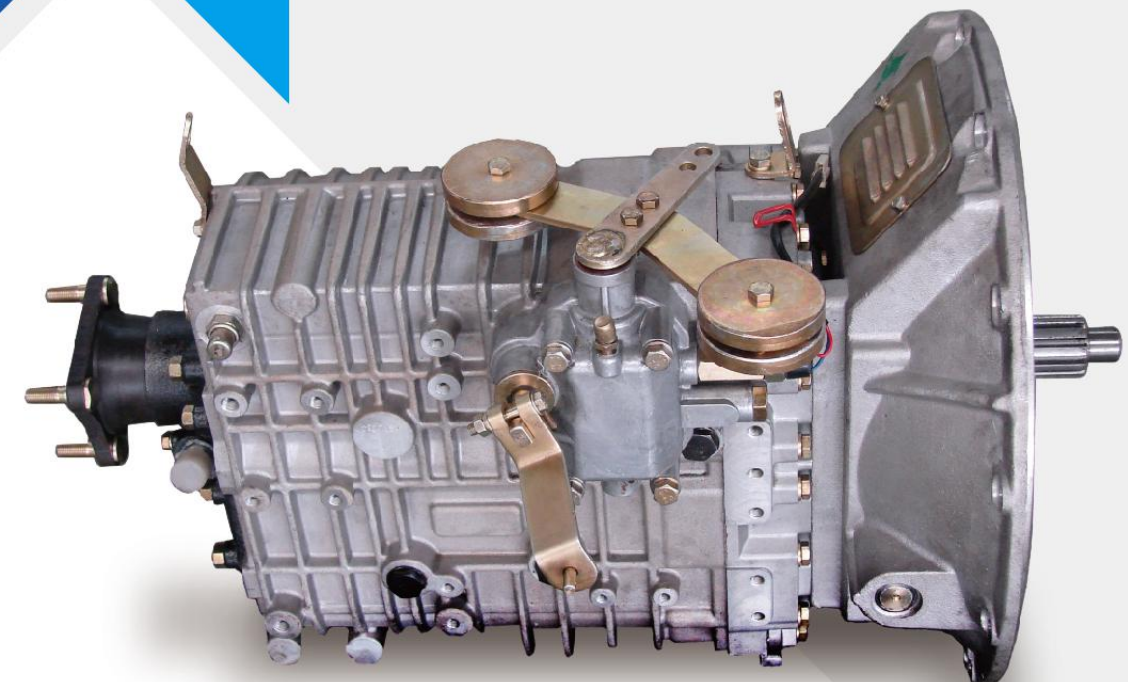
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WLY · COMMERCIAL
VEHICLE
TRANSMISSION

万里扬 · 商用车变速器





成就客户造车梦想

Fulfill Customers' Dream To Build Vehicles

贡献中国品牌力量

Make Contribution To China's Brands

BRIEF INTRODUCTION OF COMMERCIAL VEHICLE TRANSMISSION DIVISION

商用车变速器事业部简介

商用车变速器事业部是浙江万里扬股份有限公司重要的业务单元，产销量居行业前列，拥有浙江金华和山东平邑两大基地，现有员工 2800 余名。产品覆盖微型车、轻型车、中型车、重型车等全系列商用车变速器，产品应用于包括物流运输、工程自卸、客车、市政专用车、校车、皮卡等整个广义商用车市场，主要为北汽福田、东风汽车、中国重汽、一汽集团、江铃汽车、宇通客车和现代汽车等主流汽车厂提供变速器配套服务，已形成年产 100 万台商用车变速器的综合能力。事业部获得多个主流汽车厂家颁发的优秀供应商质量奖、市场推广金奖、服务支持优秀奖等奖项。

The commercial vehicle transmission division is an important business unit of WLY. Production and sales are among the highest in the industry. It currently has more than 2800 employees in the two bases, Jinhua City and Pingyi City. Its products cover transmissions for all kinds of commercial vehicles, including logistics transportation trucks, low-speed & heavy-duty dumpers, buses, municipal vehicles, school buses, pickups and etc. Its customers include BAIC Foton, Dongfeng Motor, Sinotruk, Faw Group, JMC, Yutong Bus, Hyundai Motor and other automobile OEMs. Its annual production capacity has reached 1 million units of commercial vehicle transmissions. It has won numerous medals awarded by automobile companies including Excellent Supplier on Quality, Gold Medal for Market Promotion and Excellent Service Supporter.



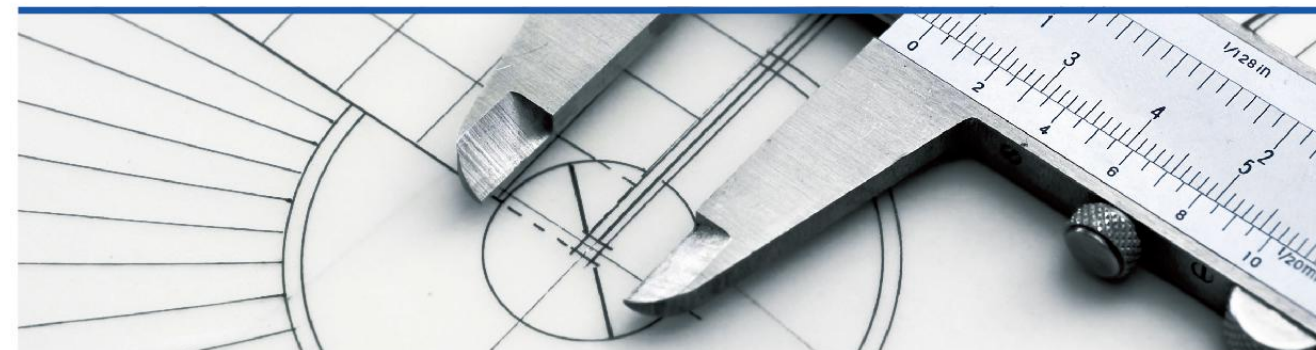


事业部拥有省重点企业研究院，流动博士后科研工作站，中高级技术职称人员占研究院总人数 60% 以上；拥有授权专利 180 余项。事业部是中国高端轻卡变速器生产基地，已形成年产 30 万台高端轻卡变速器的制造能力。

事业部严格按 IATF16949、ISO14001 等国际标准和 TPS 精益生产管理体系运营，并通过 AAA 级标准化良好行为认证和计量体系认证；拥有通过 CNAS 认定的实验室，从事变速器总成及其配套零部件的检测、化验及性能试验。

The division has a key provincial enterprise research center and a postdoctoral workstation, among all the research and development staff, 60% of them have obtained professional titles. It possesses more than 180 authorized patents and has been a transmission base for China high-end light trucks with its production capacity for high-end gearbox reaching 300,000 units.

The division is in strict accordance with IATF16949, ISO14001 and other advanced international standards and TPS lean production management system. It has passed through the AAA-level Standardization Good Compliance Certification and Measurement System Certification. Its laboratory with CNAS certification is mainly engaged in transmission assembly and its supporting parts testing, laboratory inspection and performance testing.



事业部致力于企业经营管理模式和人才激励机制的创新，以打造全球一流的商用车变速器供应商为目标，秉承“以客户为中心 争做奋斗者”的核心价值理念，想客户所想，为客户提供量身定制的汽车传动系统解决方案。

The division is committed to continuous optimization and innovation of management form with its aim of being a world-class transmission supplier for commercial vehicles by adhering to the company's core value "customer oriented, being a striver". It will carry out targeted research and development activities and constantly tap the innovative potentials by thinking in customers' shoes to provide customers with tailor-made solutions.

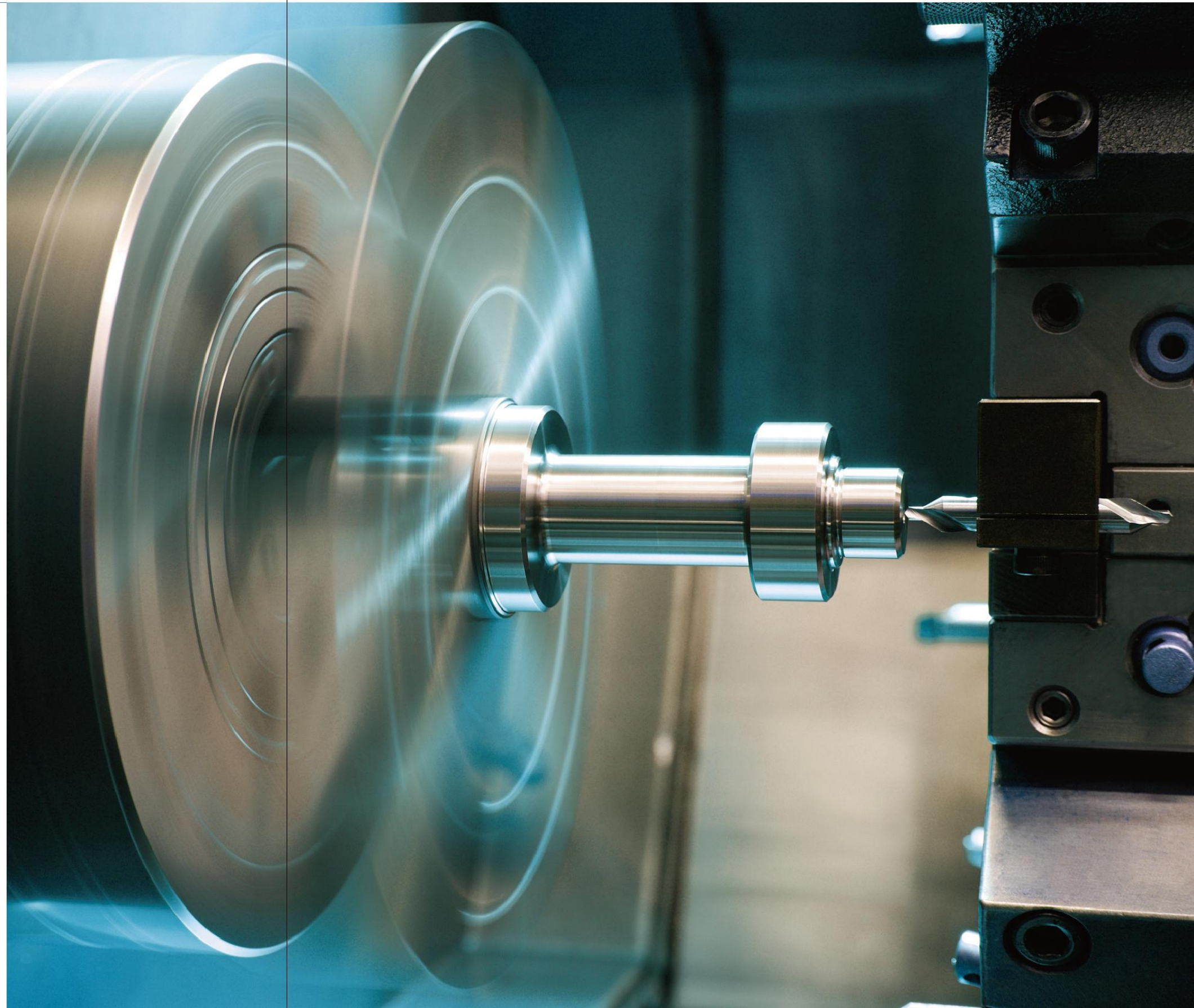
MANUFACTURING BASE

制造基地

浙江金华基地·Jinhua Base in Zhejiang Province



山东平邑基地·Pingyi Base in Shandong Province



EQUIPMENT
SHOW

装备展示



三菱齿轴生产线 Mitsubishi Gear Shaft Line



爱协林热处理生产线 Aichelin heat treatment line



斯图特复合磨床 Studer Grinder



大隈加工中心 Okuma Machining Center



格里森剃刀刃磨床 Gleason Razor Mill



高端轻卡装配线 High-end Light Truck Assembly Line

CUSTOMER
SHOW

主要客户展示



WLY 5TS32系列 SERIES



LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION II

轻型车变速器 · 第二代



产品特点 PRODUCT FEATURES

- 前进挡全同步，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
All short stroke synchronizers for forward gears, clear and light operation with gear selection/shifting locating mechanism;
- 采用短行程同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use short stroke synchronizers, with steel-base & molybdenum covered synchronizer ring, long using life;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High accuracy for gear design and manufacturing, stable driving with high efficiency and low noise;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements;



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	R			
WLY5TS32	320	5.60	2.85	1.69	1	0.79	5.35	275 (推荐 recommend)、 250、300	62	3.1
WLY5TS32	320	4.72	2.47	1.65	1	0.79	4.51		62	3.1
WLY5TS32	320	4.71	2.47	1.65	1	0.72	4.51		62	3.1



匹配发动机 MATCHING ENGINE

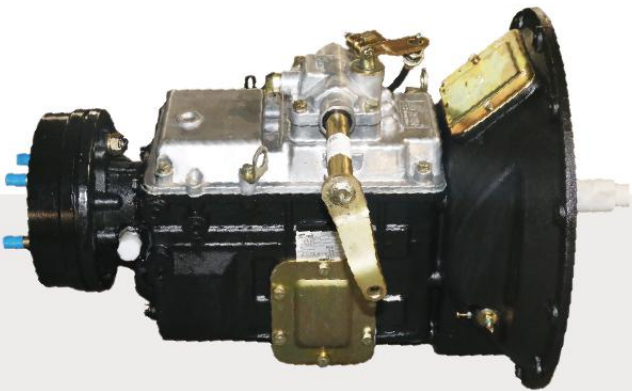
ISF2.8、JX493ZLQ3、4J28TC、D28、ZD30、HFC4DA1、YN27CRD、YN33CRD、CA4DD1、4B1/4B2 等 320N.m 以内发动机。(Output torque within 320N.m.)



适用车型 APPLICABLE VEHICLES

轻卡、轻客及底盘。
Light truck and light bus and chassis.

WLY 5TS40系列 SERIES



LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION II

轻型车变速器 · 第二代



产品特点 PRODUCT FEATURES

- 前进挡全同步，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
All short stroke synchronizers for forward gears, clear and light operation with gear selection/shifting locating mechanism;
- 采用短行程同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use short stroke synchronizers, with steel-base & molybdenum covered synchronizer ring, long using life;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High accuracy for gear design and manufacturing, stable driving with high efficiency and low noise;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements;



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	R			
WLY5TS40	400	5.54	3.05	1.69	1	0.76	4.70	300 (推荐 recommend)、275	100	3.3
WLY5TS40	400	5.06	2.61	1.57	1	0.76	4.58		100	3.3



匹配发动机 MATCHING ENGINE

ISF2.8、ZD30、CA4DD2、PUMA2.4、YN38CRD、YND25TCID 等 360N.m 以内发动机。(Output torque within 360N.m.)



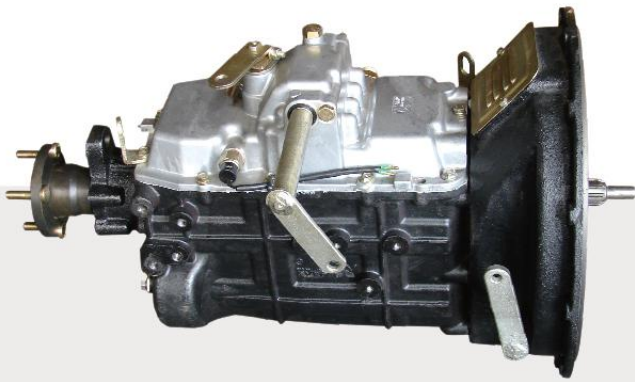
适用车型 APPLICABLE VEHICLES

轻卡、轻客及底盘。
Light truck and light bus and chassis.

WLY 6TS40系列 SERIES

LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION II

轻型车变速器 · 第二代



产品特点 PRODUCT FEATURES

- 前进挡全同步，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
All short stroke synchronizers for forward gears, clear and light operation with gear selection/shifting locating mechanism;
- 采用短行程同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use short stroke synchronizers, with steel-base & molybdenum covered synchronizer ring, long using life;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High accuracy for gear design and manufacturing, stable driving with high efficiency and low noise;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements;



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	R			
WLY6TS40	400	6.14	3.36	2.11	1.34	1	0.79	5.57	300	106	4.0
WLY6TS40	400	5.32	2.91	1.82	1.33	1	0.77	4.83	(推荐 recommend)、 275	106	4.0



匹配发动机 MATCHING ENGINE

ISF2.8、ZD30、CA4DD2、PUMA2.4、YN38CRD、YND25TCID 等 360N.m 以内发动机。(Output torque within 360N.m.)



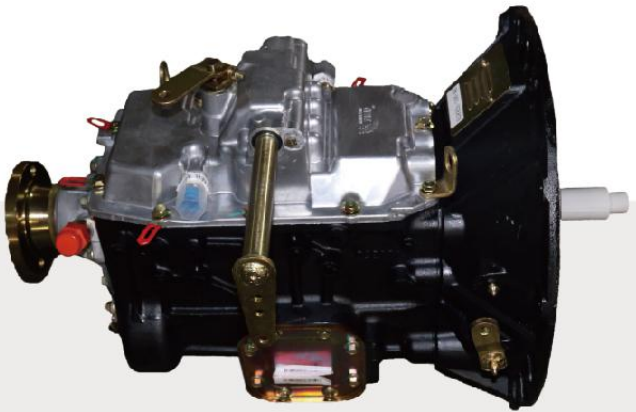
适用车型 APPLICABLE VEHICLES

轻卡、轻客及底盘。
Light truck and light bus and chassis.

WLY 6TS55系列 SERIES

LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION II

轻型车变速器 · 第二代



产品特点 PRODUCT FEATURES

- 前进挡全同步，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
All short stroke synchronizers for forward gears, clear and light operation with gear selection/shifting locating mechanism;
- 采用短行程同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use short stroke synchronizers, with steel-base & molybdenum covered synchronizer ring, long using life;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High accuracy for gear design and manufacturing, stable driving with high efficiency and low noise;
- 可匹配取力器；
PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements;



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	R			
WLY6TS55	550	6.32	3.93	2.28	1.40	1	0.79	5.86	325	130	5.2
WLY6TS55	550	6.16	3.83	2.22	1.36	1	0.77	5.71	(推荐 recommend)、 300、350	130	5.2
WLY6TS55	550	5.52	3.43	2.13	1.39	1	0.80	5.12		130	5.2



匹配发动机 MATCHING ENGINE

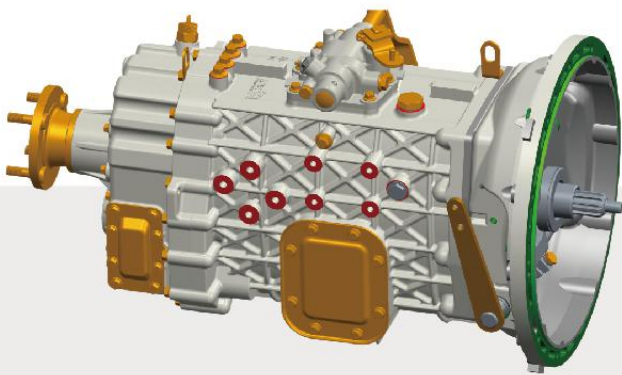
ISF3.8、ZD30、ISDE140、YC4S120/140/160、YC4E140/160、YC4EG140/160 等 500N.m 以内发动机。(Output torque within 500N.m.)



适用车型 APPLICABLE VEHICLES

轻卡、轻客及底盘。
Light truck and light bus and chassis.

WLY 7TS40系列 SERIES



DUAL-PURPOSE
7 SPEED TRANSMISSION

兼用型 7 挡变速器



产品特点 PRODUCT FEATURES

- 三段积木式结构，部分壳盖件铝合金轻量化设计，强度高，重量轻，外形美观；
Three-section modular structure, partial housing and cover aluminum design, high strength, lightweight and aesthetic appearance;
- 速比范围大，爬坡能力强，特别适合重载型轻卡及平板型工程车；
Large gear ratio spanning, strong climbing ability, suitable for heavy-loading light truck and platform trailer specially;
- 一二三四五六挡带同步器，爬坡挡、倒挡滑动齿套挂挡，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
Synchronizers for I II, III, IV, V, VI speeds, sliding gear sleeve for climbing and rev. speeds, clear and light operation with gear selection/shifting locating mechanism;
- 采用自主专利技术的大容量同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use self-patented synchronizers with large capacity, steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 可匹配侧取力器。
Side PTO optional.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio								匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		L	1	2	3	4	5	6	R			

WLY7TS40 430 9.17 5.99 3.53 2.21 1.41 1 0.83 8.19 300 140 4.5



匹配发动机 MATCHING ENGINE

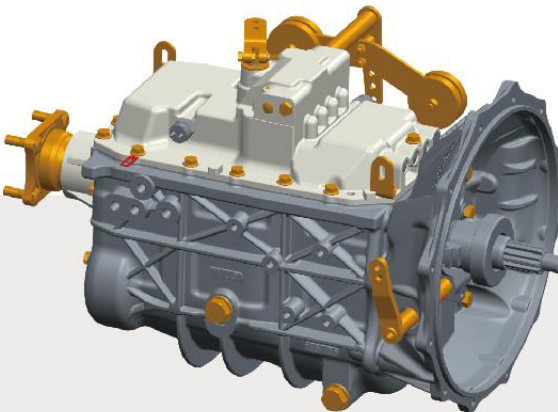
D25、4H1/4K1、WP2.3 等 360N.m 以内发动机。(Output torque within 360N.m.)



适用车型 APPLICABLE VEHICLES

重载型轻卡、工程车、专用车等。
Heavy-loading light truck, off-road truck and special vehicles.

WLY 7TS60系列 SERIES



DUAL-PURPOSE
7 SPEED TRANSMISSION

兼用型 7 挡变速器



产品特点 PRODUCT FEATURES

- 部分壳盖件铝合金轻量化设计，强度高，重量轻，外形美观；
partial housing and cover aluminum design, high strength, lightweight and aesthetic appearance;
- 速比范围大，爬坡能力强，特别适合重载型轻卡及平板型工程车；
Large gear ratio spanning, strong climbing ability, suitable for heavy-loading light truck and platform trailer specially;
- 一二三四五六挡带同步器，爬坡挡、倒挡滑动齿套挂挡，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
Synchronizers for I II, III, IV, V, VI speeds, sliding gear sleeve for climbing and rev. speeds, clear and light operation with gear selection/shifting locating mechanism;
- 采用自主专利技术的大容量同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use self-patented synchronizers with large capacity, steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 可匹配侧取力器。
Side PTO optional.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio								匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		L	1	2	3	4	5	6	R			

WLY7TS60 600 9.17 5.48 3.37 2.16 1.43 1 0.83 7.80 350 160 6.0



匹配发动机 MATCHING ENGINE

YC4S150、ISF3.8 等 550N.m 以内发动机。(Output torque within 550N.m.)



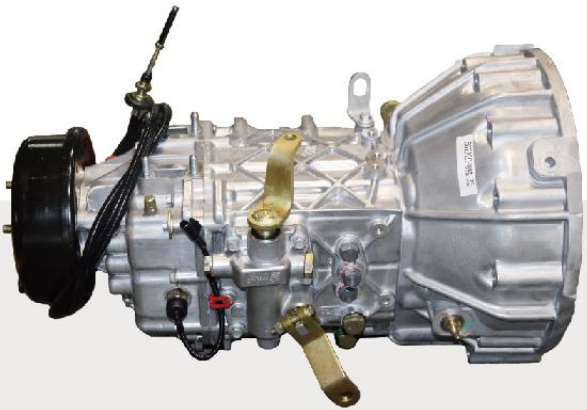
适用车型 APPLICABLE VEHICLES

重载型轻卡、工程车、专用车等。
Heavy-loading light truck, off-road truck and special vehicles.

WLY 5G32系列 SERIES

LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION III

轻型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度好，重量轻，外形美观；
All aluminum housing design, three-section modular structure, high strength, lightweight and aesthetic appearance;
- 传动比优化设计，速比级差小，动力性好，换挡更轻便，更节油；
Optimized transmission ratio, narrow gear ratio range, high power & gear shifting performance, fuel efficient;
- 换挡叉轴带线性轴承，采用新型自锁互锁机构，换挡更轻便；
Gear shifting fork shaft with linear bearing, updated self-lock and inter-lock unit, high gear shifting performance;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 前进挡全同步，采用自主研发新型短行程同步器，所有同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
All self-developed short stroke synchronizers for forward gears, steel-base & molybdenum covered synchronizer ring, high friction coefficient and reliability and long using life;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	R			
WLY5G32	320	5.60	2.85	1.69	1	0.79	5.35	275 (推荐 recommend)、 250	55	2.9
WLY5G32	320	4.71	2.47	1.65	1	0.79	4.51		55	2.9
WLY5G32	320	4.71	2.47	1.65	1	0.72	4.51		55	2.9



匹配发动机 MATCHING ENGINE

ISF2.8、JX493ZLQ3、4J28TC、D28、ZD30、HFC4DA1、YN27CRD、YN33CRD、CA4DD1、4B1/4B2 等 320 N.m 以内发动机。
(Output torque within 320N.m.)



适用车型 APPLICABLE VEHICLES

适用于高端轻卡、轻客及底盘。
High-end light truck and light bus and chassis.

WLY 5G40系列 SERIES

LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION III

轻型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度好，重量轻，外形美观；
All aluminum housing design, three-section modular structure, high strength, lightweight and aesthetic appearance;
- 传动比优化设计，速比级差小，动力性好，换挡更轻便，更节油；
Optimized transmission ratio, narrow gear ratio range, high power & gear shifting performance, fuel efficient;
- 换挡叉轴带线性轴承，采用新型自锁互锁机构，换挡更轻便；
Gear shifting fork shaft with linear bearing, updated self-lock and inter-lock unit, high gear shifting performance;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 前进挡和倒挡全同步，采用自主研发新型短行程同步器，所有同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
All self-developed short stroke synchronizers for forward and rev. gears, steel-base & molybdenum covered synchronizer ring, high friction coefficient and reliability and long using life;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	R			
WLY5G40	400	5.50	2.79	1.58	1	0.79	4.92	275 (推荐 recommend)、 250、300	72	2.8



匹配发动机 MATCHING ENGINE

ISF2.8、ZD30、WP3、YCY24 等 400N.m 以内发动机。(Output torque within 400N.m.)



适用车型 APPLICABLE VEHICLES

适用于高端轻卡、轻客及底盘。
High-end light truck and light bus and chassis.

WLY 6G40系列 SERIES

LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION III

轻型车变速器 · 第三代



产品特点 PRODUCT
FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular structure, high strength, lightweight and aesthetic appearance;
- 传动比优化设计，速比级差小，动力性好，换挡更轻便，更节油；
Optimized transmission ratio, narrow gear ratio range, high power & gear shifting performance, fuel efficient;
- 换挡叉轴带线性轴承，采用新型自锁互锁机构，换挡更轻便；
Gear shifting fork shaft with linear bearing, updated self-lock and inter-lock unit, high gear shifting performance;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 前进挡全同步，采用自主研发新型短行程同步器，所有同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
All self-developed short stroke synchronizers for forward gears, steel-base & molybdenum covered synchronizer ring, high friction coefficient and reliability and long using life;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL
PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	R			
WLY6G40	400	6.14	3.36	2.11	1.34	1	0.79	5.57	300	90	4.0
WLY6G40	400	5.32	2.91	1.82	1.33	1	0.77	4.83	(推荐 recommend)、 275、325	90	4.0



匹配发动机 MATCHING
ENGINE

ISF2.8、ZD30、D28、WP3、YCY24、CA4DD2、PUMA2.4、YN38CRD 等 400N.m 以内发动机。(Output torque within 400N.m.)



适用车型 APPLICABLE
VEHICLES

适用于高端轻卡、轻客及底盘。
High-end light truck and light bus and chassis.

WLY 6G55系列 SERIES

LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION III

轻型车变速器 · 第三代



产品特点 PRODUCT
FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular structure, high strength, lightweight and aesthetic appearance;
- 全锥轴承支承设计，承载能力强，可靠性高；
All cone bearing supporting, strong carrying capacity and high reliability;
- 传动比优化设计，速比级差小，动力性好，换挡更轻便，更节油；
Optimized transmission ratio, narrow gear ratio range, high power & gear shifting performance, fuel efficient;
- 换挡叉轴带线性轴承，采用新型自锁互锁机构，换挡更轻便；
Gear shifting fork shaft with linear bearing, updated self-lock and inter-lock unit, high gear shifting performance;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 前进挡全同步，采用自主研发新型短行程同步器，所有同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
All self-developed short stroke synchronizers for forward gears, steel-base & molybdenum covered synchronizer ring, high friction coefficient and reliability and long using life;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL
PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	R			
WLY6G55	550	6.20	3.29	2.03	1.37	1	0.78	5.68	350 (推荐 recommend)、 300、325	100	5.0



匹配发动机 MATCHING
ENGINE

ISF3.8、D40TCI、YC4S150 等 550N.m 以内发动机。(Output torque within 550N.m.)



适用车型 APPLICABLE
VEHICLES

适用于高端轻卡、轻客及底盘。
High-end light truck and light bus and chassis.

WLY 6G70系列 SERIES

LIGHT-DUTY VEHICLE
TRANSMISSION GENERATION III

轻型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular structure, high strength, lightweight and aesthetic appearance;
- 传动比优化设计，速比级差小，动力性好，换挡更轻便，更节油；
Optimized transmission ratio, narrow gear ratio range, high power & gear shifting performance, fuel efficient;
- 采用新型自锁互锁机构，换挡更轻便；
Updated self-lock and inter-lock unit, high gear shifting performance;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 前进挡全同步，采用自主研发新型短行程同步器，所有同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
All self-developed short stroke synchronizers for forward gears, steel-base & molybdenum covered synchronizer ring, high friction coefficient and reliability and long using life;
- 可匹配取力器；
PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	R			

WLY6G70	700	6.01	3.29	2	1.37	1	0.79	5.40	350 (推荐 recommend)、 380	120	6.0
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匹配发动机 MATCHING ENGINE

ISF3.8、MAN D08、MAXXFORCE4.8、ISDE160、ISDE180、ISDE185、YC4EG180 等 700N.m 以内发动机。(Output torque within 700N.m.)



适用车型 APPLICABLE VEHICLES

适用于高端轻卡、轻客及底盘。
High-end light truck and light bus and chassis.

WLY 5AG40系列 SERIES

AMT FOR HIGH-END
LIGHT-DUTY VEHICLE

高端轻型车自动变速器



产品特点 PRODUCT FEATURES

- 采用液压分离轴承（CSC），全同步器换挡，同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use hydraulic release bearing, all synchronizer shifting, steel-base & molybdenum covered synchronizer ring, high friction coefficient, reliability and long using life;
- 集成式换挡结构设计，结构紧凑，外形美观；
Integrated gear selection/shifting design, compact structure, aesthetic appearance;
- 换挡挡执行器结构型式：X-Y 电机驱动；
Gear selection/shifting actuator structure type: X-Y motor drive;
- 离合执行器结构型式：电液式；
Clutch actuator structure type: Electro-hydraulic;
- 控制特征：采用三参数控制、自适应控制、模糊控制等先进的控制方法；
Control features: three-parameter, self-adaptive and fuzzy control;
- 系统功能：可实现手 / 自一体、车辆蠕动、强制降档、坡道辅助起步、响应定速巡航、故障诊断等功能，以及经济 / 运动多种驾驶模式切换。
Functions: automatic/manual integrated, vehicle creep, kick-down, hill start assist, cruise control, failure diagnosis, economy/sports modes available.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R			

WLY5AG40	95	400	5.50	2.79	1.58	1	0.79	4.92	275 (推荐 recommend)、 250、300	80	2.8
WLY5AG40	95	400	4.77	2.42	1.37	1	0.78	4.27		80	2.8



匹配发动机 MATCHING ENGINE

D20、D25、ISF2.8、ZD30、WP3、YC24 等 360N.m 以内发动机。(Output torque within 360N.m.)



适用车型 APPLICABLE VEHICLES

适用于高端自动挡轻卡、轻客及底盘。
High-end AMT light truck and light bus and chassis.

WLY 6AG40系列 SERIES

AMT FOR HIGH-END
LIGHT-DUTY VEHICLE

高端轻型车自动变速器



产品特点 PRODUCT FEATURES

- 采用液压分离轴承（CSC），全同步器换挡，同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use hydraulic release bearing, all synchronizer shifting, steel-base & molybdenum covered synchronizer ring, high friction coefficient, reliability and long using life;
- 集成式换挡结构设计，结构紧凑，外形美观；
Integrated gear selection/shifting design, compact structure, aesthetic appearance;
- 换挡执行器结构型式：X-Y 电机驱动；
Gear selection/shifting actuator structure type: X-Y motor drive;
- 离合执行器结构型式：电液式；
Clutch actuator structure type: Electro-hydraulic;
- 控制特征：采用三参数控制、自适应控制、模糊控制等先进的控制方法；
Control features: three-parameter, self-adaptive and fuzzy control;
- 系统功能：可实现手 / 自一体、车辆蠕动、强制降档、坡道辅助起步、响应定速巡航、故障诊断等功能，以及经济 / 运动多种驾驶模式切换。
Functions: automatic/manual integrated, vehicle creep, kick-down, hill start assist, cruise control, failure diagnosis, economy/sports modes available.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	6	R			

WLY6AG40	100	400	6.14	3.62	2.39	1.53	1	0.79	5.57	300 (推荐 recommend)、 275、325	100	4.0
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匹配发动机 MATCHING ENGINE

ISF2.8、ZD30、CA4DD2、PUMA2.4、YN38CRD、YND25TCID 等 400N.m 以内发动机。（Output torque within 400N.m.）



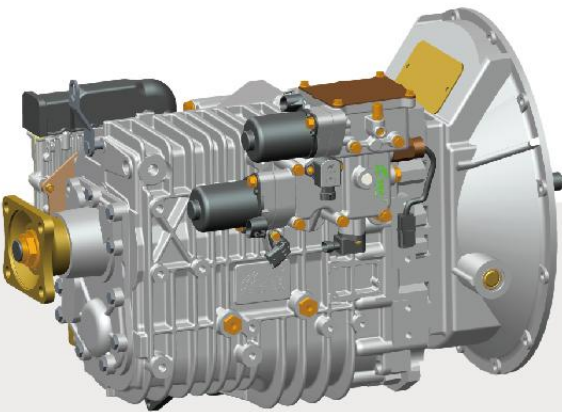
适用车型 APPLICABLE VEHICLES

适用于高端自动挡轻卡、轻客及底盘。
High-end AMT light truck and light bus and chassis.

WLY 6AG70系列 SERIES
(在研) Under Development

AMT FOR HIGH-END
LIGHT-DUTY VEHICLE

高端轻型车自动变速器



产品特点 PRODUCT FEATURES

- 采用液压分离轴承（CSC），全同步器换挡，同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use hydraulic release bearing, all synchronizer shifting, steel-base & molybdenum covered synchronizer ring, high friction coefficient, reliability and long using life;
- 集成式换挡结构设计，结构紧凑，外形美观；
Integrated gear selection/shifting design, compact structure, aesthetic appearance;
- 换挡执行器结构型式：X-Y 电机驱动；
Gear selection/shifting actuator structure type: X-Y motor drive;
- 离合执行器结构型式：电液式；
Clutch actuator structure type: Electro-hydraulic;
- 控制特征：采用三参数控制、自适应控制、模糊控制等先进的控制方法；
Control features: three-parameter, self-adaptive and fuzzy control;
- 系统功能：可实现手 / 自一体、车辆蠕动、强制降档、坡道辅助起步、响应定速巡航、故障诊断等功能，以及经济 / 运动多种驾驶模式切换。
Functions: automatic/manual integrated, vehicle creep, kick-down, hill start assist, cruise control, failure diagnosis, economy/sports modes available.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	6	R			

WLY6AG70	120	700	6.01	3.29	2	1.37	1	0.79	5.40	350 (推荐 recommend)、 380	130	6.0
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匹配发动机 MATCHING ENGINE

ISF3.8、MAXXFORCE4.8、ISDE160、ISDE180、ISDE185、YC6J180 等 700N.m 以内发动机。（Output torque within 700N.m.）



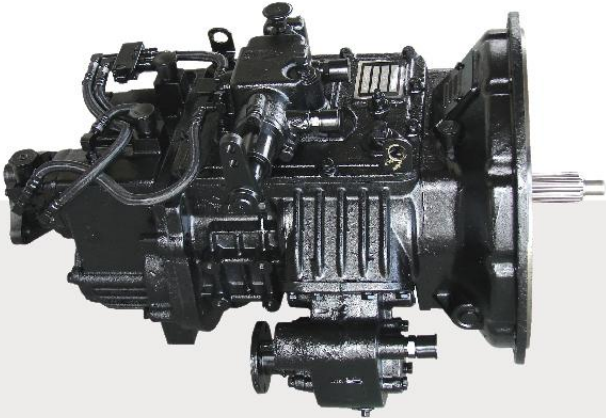
适用车型 APPLICABLE VEHICLES

适用于高端自动挡轻卡、轻客及底盘。
High-end AMT light truck and light bus and chassis.

WLY 8S90系列 SERIES

MEDIUM-DUTY VEHICLE
TRANSMISSION

中型车变速器



产品特点 PRODUCT
FEATURES

- 主副箱双中间轴结构，体积小，重量轻，功率分流，可靠性高；
Dual counter shaft for main and auxiliary gearboxes, compact structure, lightweight, power separate and high reliability;
- 二轴及齿轮浮动安装，取消二轴齿轮滚针轴承，故障模式少；
Main shaft and gear floating installation, cancel main shaft gear needle bearing, failure modes reduced;
- 副箱采用锁环式双锥同步器，高性能摩擦材料，同步容量大，可靠性高；
Lock-ring type dual-cone synchronizer for auxiliary gearbox, high performance friction material, large synchronizing capacity, high reliability;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 速比范围大，级差小，燃油经济性好；
Large gear ratio spanning, narrow gear ratio difference, high fuel efficiency;
- 可采用双 H、单 H 及单杆、双杆和左右双向远距离操纵等多种操纵模式；
Dual H, Single H, single rod, dual rod, right-left dual direction operation mode optional;
- 可满足侧取力器和底取力器等多种取力型式。
Side and bottom PTO optional.



技术参数 TECHNICAL
PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio										净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	7	8	RL	RH		
WLY8S90	850	10.29	6.43	4.09	3.31	2.51	1.57	1	0.81	10.45	2.55	200	7.0
WLY8S90A	750	11.75	8.26	5.85	4.09	2.87	2.02	1.43	1	11.93	2.92	200	7.0
WLY8S90B	750	10.75	7.56	5.35	3.74	2.87	2.02	1.43	1	10.92	2.92	200	7.0



匹配发动机 MATCHING
ENGINE

6C200、YC6J220、YC6M220、YC6J200、YC6A220 等多种柴油机 and other diesel engines.



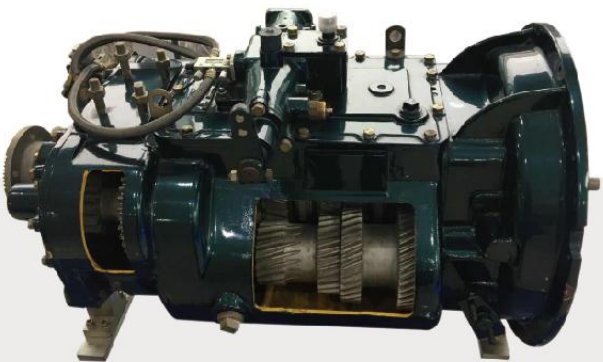
适用车型 APPLICABLE
VEHICLES

适用于公路载重车、自卸车、越野车、牵引车、汽车起重机、矿用车、重型消防车及铁路轨道车等多种车型。
Heavy-duty truck, dumper, off-road vehicle, tractor, crane, mine truck, heavy-duty fire engine, railcar and other multiple vehicles.

WLY 9S150系列 SERIES

HEAVY-DUTY VEHICLE
TRANSMISSION

重型车变速器



产品特点 PRODUCT
FEATURES

- 主副箱双中间轴结构，体积小，重量轻，功率分流，可靠性高；
Dual counter shaft for main and auxiliary gearboxes, compact structure, lightweight, power separate and high reliability;
- 二轴及齿轮浮动安装，取消二轴齿轮滚针轴承，故障模式少；
Main shaft and gear floating installation, cancel main shaft gear needle bearing, failure modes reduced;
- 副箱采用大容量同步器，高性能摩擦材料，可靠性高；
Use synchronizers with large capacity for auxiliary gearbox, high performance friction material, high reliability;
- 齿轮设计及制造精度高，传动平稳，传动效率高，噪音低；
High gear design and manufacturing accuracy, stable driving with high efficiency and low noise;
- 速比范围大，级差小，燃油经济性好；
Large gear ratio spanning, narrow gear ratio difference, high fuel efficiency;
- 可采用双 H、单 H 及单杆、双杆和左右双向远距离操纵等多种操纵模式；
Dual H, Single H, single rod, dual rod, right-left dual direction operation mode optional;
- 可满足侧取力器和后取力器等多种取力型式。
Side and rear PTO optional.



技术参数 TECHNICAL
PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio										净重 Net Weight (Kg)	注油量 Oil capacity (L)
		L	1	2	3	4	5	6	7	8	R		
WLY9S150H	1500	12.42	8.29	6.08	4.53	3.38	2.47	1.81	1.35	1	12.99	330	13.0
WLY9S150A	1500	10.06	6.74	4.92	3.36	2.65	2	1.47	1	0.79	10.51	330	13.0



匹配发动机 MATCHING
ENGINE

WD615.56、WD615.58、6C250、6C230、YC6M280 等多种柴油机 and other diesel engines.



适用车型 APPLICABLE
VEHICLES

适用于公路载重车、自卸车、越野车、牵引车、汽车起重机、矿用车、重型消防车及铁路轨道车等多种车型。
Heavy-duty truck, dumper, off-road vehicle, tractor, crane, mine truck, heavy-duty fire engine, railcar and other multiple vehicles.

WLY 12S180系列 SERIES

HEAVY-DUTY VEHICLE
TRANSMISSION

重型车变速器



产品特点 PRODUCT FEATURES

- 主副箱双中间轴结构，体积小，重量轻，功率分流，可靠性高；
Dual counter shaft for main and auxiliary gearboxes, compact structure, lightweight, power separate and high reliability;
- 二轴及齿轮浮动安装，取消二轴齿轮滚针轴承，故障模式少；
Main shaft and gear floating installation, cancel main shaft gear needle bearing, failure modes reduced;
- 副箱采用大容量同步器，高性能摩擦材料，可靠性高；
Use synchronizers with large capacity for auxiliary gearbox, high performance friction material, high reliability;
- 细高齿设计，重合系数大，传动更为平稳，噪音低；
High-tooth gear design, large overlap coefficient, stable driving and low noise;
- 速比范围大，级差小，燃油经济性好；
Large gear ratio spanning, narrow gear ratio difference, high fuel efficiency;
- 可采用双 H、单 H 及单杆、双杆和左右双向远距离操纵等多种操纵模式；
Dual H, Single H, single rod, dual rod, right-left dual direction operation mode optional;
- 可满足侧取力器和后取力器等多种取力型式。
Side and rear PTO optional.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio														净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	7	8	9	10	11	12	RL	RH		
WLY12S180	1800	15.53	12.08	9.39	7.33	5.73	4.46	3.48	2.71	2.10	1.64	1.28	1	14.86	3.33	360	14.5
WLY12S180A	1800	12.10	9.41	7.31	5.71	4.46	3.48	2.71	2.11	1.64	1.28	1	0.78	11.56	2.59	360	14.5



匹配发动机 MATCHING ENGINE

ISGe5 430、DCI420、WP12.430 等多种柴油机 and other diesel engines.



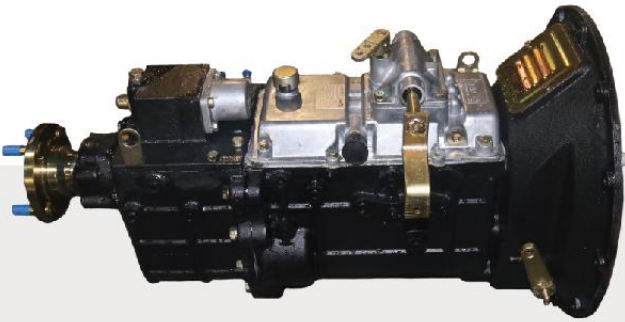
适用车型 APPLICABLE VEHICLES

适用于公路载重车、自卸车、越野车、牵引车、汽车起重机、矿用车、重型消防车及铁路轨道车等多种车型。
Heavy-duty truck, dumper, off-road vehicle, tractor, crane, mine truck, heavy-duty fire engine, railcar and other multiple vehicles.

WLY 10H30/35系列 SERIES

TRANSMISSION FOR SPECIAL
VEHICLES GENERATION II

工程车变速器 · 第二代



产品特点 PRODUCT FEATURES

- 主副箱结构，挡位多，速比范围大，爬坡能力强；
With main and auxiliary two gearboxes, multiple speeds, large gear ratio range, strong climbing capacity;
- 主箱二三四五挡带同步器，一倒挡滑动齿套挂挡，配置选 / 换挡定位机构，选挡清晰，换挡轻便；
Synchronizers for main gearbox II, III, IV, V speeds, sliding gear sleeve for 1st and rev. speeds, clear and light operation with gear selection/shifting locating mechanism;
- 采用自主专利技术的大容量同步器，可靠性高，使用寿命长；
Use self-patented synchronizers with large capacity, high reliability and long using life;
- 斜齿轮设计，重合系数大，承载能力强，传动平稳，噪音低；
Helical gear design, large overlap coefficient, strong bearing capacity, stable driving and low noise;
- 部分壳盖件铝合金轻量化设计，重量轻，外形美观；
Part of housing and cover lightweight aluminum design, aesthetic appearance;
- 可匹配侧取力器。
Side PTO optional.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	主箱各挡速比 Main gearbox gear ratio						副箱速比 Auxiliary gearbox gear ratio	匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	R				
WLY10H30	300	6.80	3.88	2.27	1.42	1	6.15	1.85 / 1.50	275 (推荐 recommend)、 300	145	4.6
WLY10H35	350	5.06	2.61	1.57	1	0.76	4.58			145	4.6



匹配发动机 MATCHING ENGINE

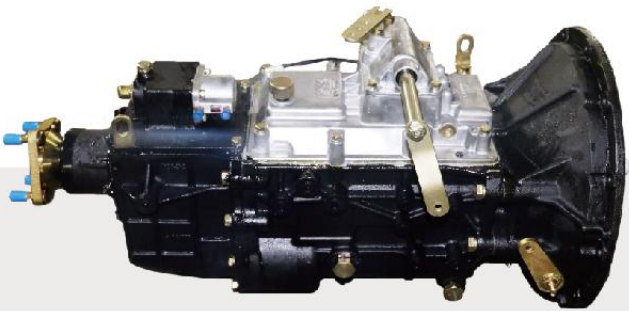
SD490、4100QBZL/N485QA、YZ4DC1、YN490、YC4FA100、4102 等 300N.m 以内发动机。(Output torque within 300N.m.)



适用车型 APPLICABLE VEHICLES

自卸车、专用车、低速工程车等。
Dumper, special vehicle, low-speed off-road vehicles.

WLY 10H46系列 SERIES



TRANSMISSION FOR SPECIAL VEHICLES GENERATION II

工程车变速器 · 第二代



产品特点 PRODUCT FEATURES

- 主副箱结构，挡位多，速比范围大，爬坡能力强；
With main and auxiliary two gearboxes, multiple speeds, large gear ratio range, strong climbing capacity;
- 主箱二三四五挡带同步器，一倒挡滑动齿套挂挡，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
Synchronizers for main gearbox II, III, IV, V speeds, sliding gear sleeve for 1st and rev. speeds, clear and light operation with gear selection/shifting locating mechanism;
- 采用自主专利技术的大容量同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use self-patented synchronizers with large capacity, steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 斜齿轮设计，重合系数大，承载能力强，传动平稳，噪音低；
Helical gear design, large overlap coefficient, strong bearing capacity, stable driving and low noise;
- 部分壳盖件铝合金轻量化设计，重量轻，外形美观；
Part of housing and cover lightweight aluminum design, aesthetic appearance;
- 可匹配侧取力器。
Side PTO optional.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	主箱各挡速比 Main gearbox gear ratio						副箱速比 Auxiliary gearbox gear ratio	匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	R				
WLY10H46	460	7.31	4.31	2.45	1.54	1	6.97	1.75 / 1.50	325	158	5.2
WLY10H46	460	4.76	2.81	1.59	1	0.76	4.54			158	5.2



匹配发动机 MATCHING ENGINE

4108、4110/YC4120-2C、CA4113 等 380N.m 以内发动机。（Output torque within 380N.m.）



适用车型 APPLICABLE VEHICLES

自卸车、专用车、低速工程车等。
Dumper, special vehicle, low-speed off-road vehicles.

WLY 653H系列 SERIES



TRANSMISSION FOR SPECIAL VEHICLES GENERATION II

工程车变速器 · 第二代



产品特点 PRODUCT FEATURES

- 主副箱结构，挡位多，速比范围大，爬坡能力强；
With main and auxiliary two gearboxes, multiple speeds, large gear ratio range, strong climbing capacity;
- 主箱二三四五挡带同步器，一倒挡滑动齿套挂挡，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
Synchronizers for main gearbox II, III, IV, V speeds, sliding gear sleeve for 1st and rev. speeds, clear and light operation with gear selection/shifting locating mechanism;
- 采用自主专利技术的大容量同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use self-patented synchronizers with large capacity, steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 斜齿轮设计，重合系数大，承载能力强，传动平稳，噪音低；
Helical gear design, large overlap coefficient, strong bearing capacity, stable driving and low noise;
- 部分壳盖件铝合金轻量化设计，重量轻，外形美观；
Part of housing and cover lightweight aluminum design, aesthetic appearance;
- 可匹配侧取力器。
Side PTO optional.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	主箱各挡速比 Main gearbox gear ratio							副箱速比 Auxiliary gearbox gear ratio	匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	R				
WLY653H	590	6.52	3.73	2.35	1.43	1	0.81	6.06	1.66 / 1.44	350	225	7.2
WLY653H	530	7.64	4.37	2.86	1.90	1.34	1	7.11			225	7.2



匹配发动机 MATCHING ENGINE

CA4110/125Z、4108、4110、4113 等 480N.m 以内发动机。（Output torque within 480N.m.）



适用车型 APPLICABLE VEHICLES

自卸车、专用车、低速工程车等。
Dumper, special vehicle, low-speed off-road vehicles.

WLY 6H75M系列 SERIES



TRANSMISSION FOR SPECIAL VEHICLES GENERATION II

工程车变速器 · 第二代



产品特点 PRODUCT FEATURES

- 主副箱结构，挡位多，速比范围大，爬坡能力强；
With main and auxiliary two gearboxes, multiple speeds, large gear ratio range, strong climbing capacity;
- 主箱二三四五挡带同步器，一倒挡滑动齿套挂挡，配置选 / 换挡定位机构，选挡清晰，换挡轻便；
Synchronizers for main gearbox II, III, IV, V speeds, sliding gear sleeve for 1st and rev. speeds, clear and light operation with gear selection/shifting locating mechanism;
- 采用自主专利技术的大容量同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use self-patented synchronizers with large capacity, steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 斜齿轮设计，重合系数大，承载能力强，传动平稳，噪音低；
Helical gear design, large overlap coefficient, strong bearing capacity, stable driving and low noise;
- 部分壳盖件铝合金轻量化设计，重量轻，外形美观；
Part of housing and cover lightweight aluminum design, aesthetic appearance;
- 可匹配侧取力器。
Side PTO optiona.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	主箱各挡速比 Main gearbox gear ratio							副箱速比 Auxiliary gearbox gear ratio	匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	R				
WLY6H75M	750	6.50	3.62	2.21	1.41	1	0.82	6.04	1.62	350	265	8.0
WLY6H75M	750	7.35	4.82	3.12	1.98	1.48	1	6.66		(推荐 recommend)、 380	265	8.0



匹配发动机 MATCHING ENGINE

YC4D130、YC4D140、YC4E135、YC4S160、ISF3.8 等 650N.m 以内发动机。（Output torque within 650N.m.）



适用车型 APPLICABLE VEHICLES

自卸车、专用车、低速工程车等。
Dumper, special vehicle, low-speed off-road vehicles.

WLY 10H50系列 SERIES

（在研）Under Development



TRANSMISSION FOR SPECIAL VEHICLES UPGRADE GENERATION II

工程车变速器 · 第二代升级



产品特点 PRODUCT FEATURES

- 主副箱结构，挡位多，速比范围大，爬坡能力强；
With main and auxiliary two gearboxes, multiple speeds, large gear ratio range, strong climbing capacity;
- 主箱二三四五挡带同步器，一倒挡滑动齿套挂挡，配置选 / 换挡定位机构，选挡清晰，换挡轻便；
Synchronizers for main gearbox II, III, IV, V speeds, sliding gear sleeve for 1st and rev. speeds, clear and light operation with gear selection/shifting locating mechanism;
- 采用自主专利技术的大容量同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use self-patented synchronizers with large capacity, steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 斜齿轮设计，重合系数大，承载能力强，传动平稳，噪音低；
Helical gear design, large overlap coefficient, strong bearing capacity, stable driving and low noise;
- 部分壳盖件铝合金轻量化设计，重量轻，外形美观；
Part of housing and cover lightweight aluminum design, aesthetic appearance;
- 可匹配侧取力器；
Side PTO optional;
- 基于 10H46 提升承载能力 15%。
Based on transmission 10H46, bearing capacity increasing 15%.



技术参数 TECHNICAL PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	主箱各挡速比 Main gearbox gear ratio						副箱速比 Auxiliary gearbox gear ratio	匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	R				
WLY10H50	500	7.31	4.31	2.45	1.54	1	6.97	1.75 / 1.50	325 (推荐 recommend)、 350	176	5.5



匹配发动机 MATCHING ENGINE

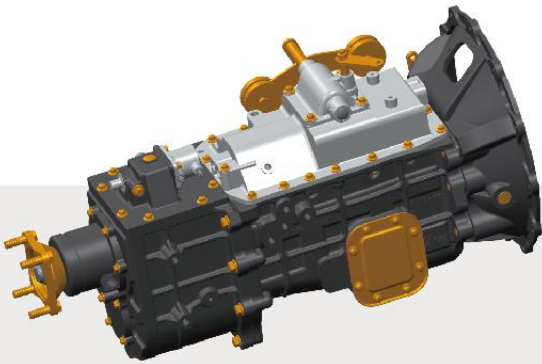
4108、4110/YC4120-2C、CA4113 等 450N.m 以内发动机。（Output torque within 450N.m.）



适用车型 APPLICABLE VEHICLES

自卸车、专用车、低速工程车等。
Dumper, special vehicle, low-speed off-road vehicles.

WLY 12H55/65系列 SERIES
(在研) Under Development



TRANSMISSION FOR SPECIAL
VEHICLES UPGRADE GENERATION II

工程车变速器 · 第二代升级



产品特点 PRODUCT
FEATURES

- 主副箱结构，挡位多，速比范围大，爬坡能力强；
With main and auxiliary two gearboxes, multiple speeds, large gear ratio range, strong climbing capacity;
- 主箱二三四挡带同步器，一倒挡滑动齿套挂挡，配置选 / 换挡定位机构，换挡清晰，换挡轻便；
Synchronizers for main gearbox II, III, IV, V speeds, sliding gear sleeve for 1st and rev. speeds, clear and light operation with gear selection/shifting locating mechanism;
- 采用自主专利技术的大容量同步器，钢基喷钼同步环，可靠性高，使用寿命长；
Use self-patented synchronizers with large capacity, steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 斜齿轮设计，重合系数大，承载能力强，传动平稳，噪音低；
Helical gear design, large overlap coefficient, strong bearing capacity, stable driving and low noise;
- 部分壳盖件铝合金轻量化设计，重量轻，外形美观；
Part of housing and cover lightweight aluminum design, aesthetic appearance;
- 可匹配侧取力器；
Side PTO optional;
- 基于 653H 提升承载能力 15%。
Based on transmission 653H, bearing capacity increasing 15%.



技术参数 TECHNICAL
PARAMETERS

型号 Model	额定输入扭矩 Rated input torque/N.m	主箱各挡速比 Main gearbox gear ratio							副箱速比 Auxiliary gearbox gear ratio	匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
		1	2	3	4	5	6	R				
WLY12H55/65	550 / 605	6.52	3.73	2.35	1.43	1	0.81	6.06	1.66 / 1.44	350	235	7.5
		7.64	4.37	3.86	1.90	1.34	1	7.11				



匹配发动机 MATCHING
ENGINE

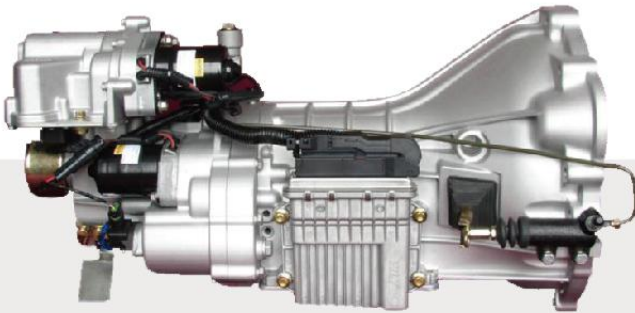
YC4D130、YC4D140、YC4E135、ISF3.8 等 550N.m 以内发动机。（Output torque within 550N.m.）



适用车型 APPLICABLE
VEHICLES

自卸车、专用车、低速工程车等。
Dumper, special vehicle, low-speed off-road vehicles.

WLY 5AR72系列 SERIES



AMT FOR PICKUP

皮卡自动变速器



产品特点 PRODUCT
FEATURES

- 采用液压分离轴承（CSC），全同步器换挡，同步环采用贴碳技术，摩擦系数大，可靠性高，使用寿命长；
Use hydraulic release bearing, all synchronizer shifting, steel-base & molybdenum covered synchronizer ring, high friction coefficient, reliability and long using life;
- 集成式选换挡结构设计，结构紧凑，外形美观；
Integrated gear selection/shifting design, compact structure, aesthetic appearance;
- 选换挡执行器结构型式：X-Y 电机驱动；
Gear selection/shifting actuator structure type: X-Y motor drive;
- 离合执行器结构型式：电液式；
Clutch actuator structure type: Electro-hydraulic;
- 控制特征：采用三参数控制、自适应控制、模糊控制等先进的控制方法；
Control features: three-parameter, self-adaptive and fuzzy control;
- 系统功能：可实现手 / 自一体、车辆蠕动、强制降档、坡道辅助起步、响应定速巡航、故障诊断等功能，以及经济 / 运动多种驾驶模式切换。
Functions: automatic/manual integrated, vehicle creep, kick-down, hill start assist, cruise control, failure diagnosis, economy/sports modes available.



技术参数 TECHNICAL
PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						匹配摩擦片直径 Friction plate dia./mm	净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R			
WLY5AR72	72	180	4.45	2.40	1.41	1	0.80	4.35	200	45	1.8
WLY5AR72	72	230	3.99	2.15	1.33	1	0.86	4.22		45	1.8



匹配发动机 MATCHING
ENGINE

491、4G6 系列（汽油）、493 系列（柴油）等 230N.m 以内发动机。（Output torque within 230N.m.）



适用车型 APPLICABLE
VEHICLES

适用于自动挡皮卡、SUV、MPV 等车型。
AMT Pickup and SUV and MPV and etc.

MR63系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION III
微型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡全同步，一二挡双锥，换挡轻便；
All synchronizer for forward gears, dual cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低，采用倒三轴结构，怠速噪音更低；
High-tooth gear design, large overlap coefficient, stable driving and low noise, reverse three-shaft structure, low noise during idling;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MR63	63	140	3.86	2.18	1.42	1	0.81	4.13	25	1.2



匹配发动机 MATCHING ENGINE

A12、A122、B12、4G13、465、4G13 等 140N.m 以内汽油发动机。(Output torque within 140N.m gasoline engines.)



适用车型 APPLICABLE VEHICLES

适用于微型载货汽车，微面等车型。
Mini trucks, mini bus and etc.

MR5S16系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION III
微型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡全同步，一二挡双锥，换挡轻便；
All synchronizer for forward gears, dual cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低；
High-tooth gear design, large overlap coefficient, stable driving and low noise;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MR5S16	69.5	180	3.76	2.05	1.43	1	0.83	3.87	32	1.4



匹配发动机 MATCHING ENGINE

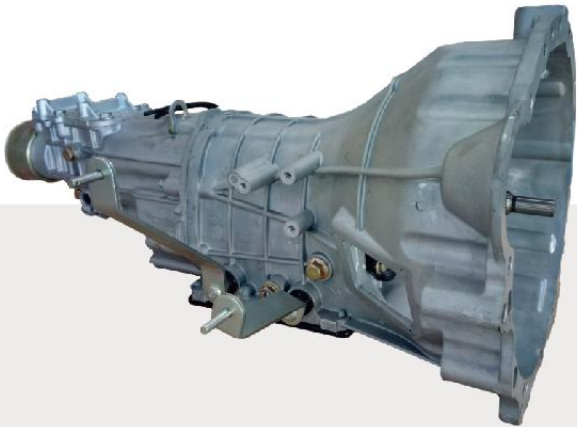
A12T、4G13、4G15、4A15 等 180N.m 以内汽油发动机。(Output torque within 180N.m gasoline engines.)



适用车型 APPLICABLE VEHICLES

适用于微面，MPV 等车型。
Mini bus, MPV and etc.

MR72系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION III
微型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular structure, high strength, lightweight and aesthetic appearance;
- 前进挡全同步，一二挡双锥，换挡轻便；
All synchronizer for forward gears, dual cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 细高齿设计，重合系数大，传动平稳，噪音低；
High-tooth gear design, large overlap coefficient, stable driving and low noise;
- 满足远距离操纵和直接操纵两种操纵方式；
Remote operation and direction operation optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MR72	72	180	4.45	2.40	1.41	1	0.80	4.35	37	2.3
MR72	72	230	3.99	2.15	1.33	1	0.86	4.22	37	2.3



匹配发动机 MATCHING ENGINE

4JB1、491、493 等 230N.m 以内柴油发动机。(Output torque within 230N.m diesel engines.)



适用车型 APPLICABLE VEHICLES

适用于轻、微型载货汽车，皮卡车等车型。
Light and mini trucks, pickup and etc.

MG516系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION III
微型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡全同步，一二挡双锥，换挡轻便；
All synchronizer for forward gears, dual cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低；
High-tooth gear design, large overlap coefficient, stable driving and low noise;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MG516	69.5	150	4.85	2.84	1.62	1	0.84	4.11	37	1.4
MG516	69.5	150	3.76	2.05	1.43	1	0.83	3.87	37	1.4



匹配发动机 MATCHING ENGINE

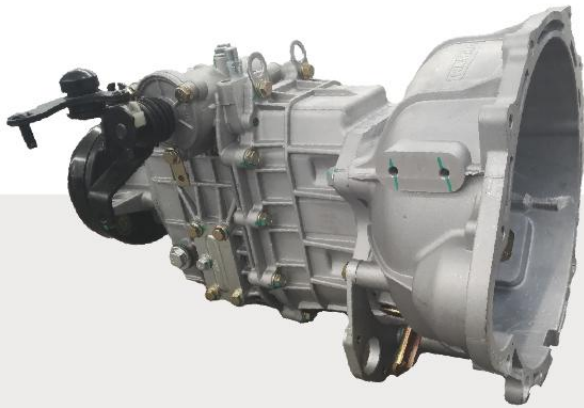
RUIZHAN 4G15、LJ4A15 等 150N.m 以内汽油发动机。(Output torque within 150N.m gasoline engines.)



适用车型 APPLICABLE VEHICLES

适用于轻、微型载货汽车，改装车等车型。
Light and mini trucks, modified vehicles and etc.

MG70系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION III

微型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular structure, high strength, lightweight and aesthetic appearance;
- 前进挡全同步，一二挡双锥，换挡轻便；
All synchronizer for forward gears, dual cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低；
High-tooth gear design, large overlap coefficient, stable driving and low noise;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MG70	70	150	4.61	2.69	1.65	1	0.84	3.95	36	1.2
MG70	70	150	3.85	2.25	1.37	1	0.78	3.52	36	1.2



匹配发动机 MATCHING ENGINE

LJ465Q、474、4G12、4G13、4G15、4A15、TNN4G15A、DK15 等 150N.m 以内汽油发动机。(Output torque within 150N.m gasoline engines.)



适用车型 APPLICABLE VEHICLES

适用于轻、微型载货汽车，改装车等车型。
Light and mini trucks, modified vehicles and etc.

MG523系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION III

微型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡全同步，一二三四挡双锥，换挡轻便；
All synchronizer for forward gears, dual cone for I、II、III、IV gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低；
High-tooth gear design, large overlap coefficient, stable driving and low noise;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MG523	78	230	4.75	2.68	1.55	1	0.82	4.44	38	1.6



匹配发动机 MATCHING ENGINE

486、491 等 230N.m 以内汽油发动机。(Output torque within 230N.m gasoline engines.)



适用车型 APPLICABLE VEHICLES

适用于轻、微型载货汽车，改装车等车型。
Light and mini trucks, modified vehicles and etc.

MG85系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION III
微型车变速器 · 第三代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡全同步，一二三四挡双锥，换挡轻便；
All synchronizer for forward gears, dual cone for I、II、III、IV gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低；
High-tooth gear design, large overlap coefficient, stable driving and low noise;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MG85	85	280	5.18	2.83	1.63	1	0.78	4.19	55	1.8
MG85	85	280	4.77	2.61	1.50	1	0.72	4.41	55	1.8



匹配发动机 MATCHING ENGINE

486T、491、ZMZ409 等汽油发动机，云内 D19、全柴 4A2 等柴油发动机。（Output torque within 280N.m gasoline and diesel engines.）



适用车型 APPLICABLE VEHICLES

适用于轻、微型载货汽车，改装车等车型。
Light and mini trucks, modified vehicles and etc.

MW5G13系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION IV
微型车变速器 · 第四代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡全同步，一二挡双锥，换挡轻便；
All synchronizer for forward gears, dual cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低，采用倒三轴结构，怠速噪音更低；
High-tooth gear design, large overlap coefficient, stable driving and low noise, reverse three-shaft structure, low noise during idling;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MW5G13	63	120	3.86	2.18	1.42	1	0.81	4.13	27	1.2



匹配发动机 MATCHING ENGINE

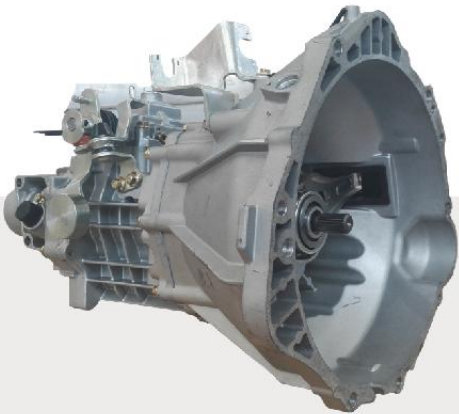
G03、DK12、LJ469Q 等 120N.m 以内汽油发动机。（Output torque within 120N.m gasoline engines.）



适用车型 APPLICABLE VEHICLES

适用于微型载货汽车，微面等车型。
Mini trucks, mini bus and etc.

MW5G15系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION IV
微型车变速器 · 第四代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡和倒挡全同步，一二挡三锥，换挡更轻便；
All synchronizer for forward and rev. gears, triple cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低，采用倒三轴结构，怠速噪音更低；
High-tooth gear design, large overlap coefficient, stable driving and low noise, reverse three-shaft structure, low noise during idling;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MW5G15	63	150	3.99	2.17	1.43	1	0.86	4.45	28	1.5



匹配发动机 MATCHING ENGINE

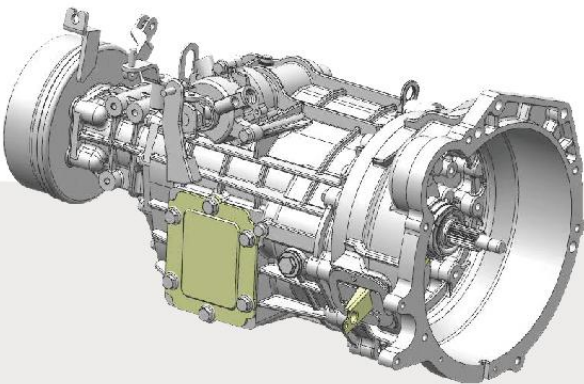
G03、DK12、LJ469Q 等 150N.m 以内汽油发动机。(Output torque within 150N.m gasoline engines.)



适用车型 APPLICABLE VEHICLES

适用于微型载货汽车，微面等车型。
Mini trucks, mini bus and etc.

MW5G21系列 SERIES
(在研) Under Development



TRANSMISSIONS FOR
MINI TRUCKS GENERATION IV
微型车变速器 · 第四代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡和倒挡全同步，一二挡三锥，换挡更轻便；
All synchronizer for forward and rev. gears, triple cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低，采用倒三轴结构，怠速噪音更低；
High-tooth gear design, large overlap coefficient, stable driving and low noise, reverse three-shaft structure, low noise during idling;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio						净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	R		
MW5G21	78	200	5.66	3.03	1.64	1	0.84	5.01	45	1.8
MW5G21	78	230	4.79	2.68	1.56	1	0.79	4.41	45	1.8



匹配发动机 MATCHING ENGINE

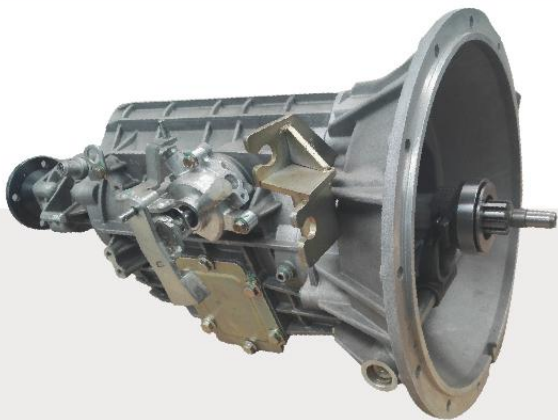
LJ4A18 等 230N.m 以内发动机。(Output torque within 230N.m.)



适用车型 APPLICABLE VEHICLES

适用于轻、微型载货汽车等车型。
Light and mini trucks and etc.

MW6G26系列 SERIES



TRANSMISSIONS FOR
MINI TRUCKS GENERATION IV
微型车变速器 · 第四代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡和倒挡全同步，一二挡双锥，换挡轻便；
All synchronizer for forward and rev. gears, dual cone for I and II gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低，采用倒三轴结构，怠速噪音更低；
High-tooth gear design, large overlap coefficient, stable driving and low noise, reverse three-shaft structure, low noise during idling;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	6	R		
MW6G26	85	260	6.31	3.61	2.22	1.34	1	0.80	5.73	58	2.2



匹配发动机 MATCHING ENGINE

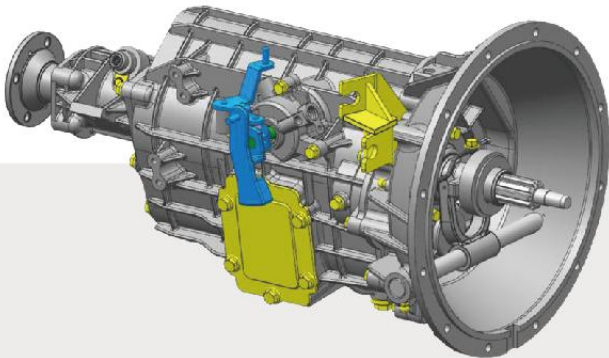
4A2 等 260N.m 以内发动机。(Output torque within 260N.m.)



适用车型 APPLICABLE VEHICLES

适用于轻、微型载货汽车等车型。
Light and mini trucks and etc.

MW6G32系列 SERIES
(在研) Under Development



TRANSMISSIONS FOR
MINI TRUCKS GENERATION IV
微型车变速器 · 第四代



产品特点 PRODUCT FEATURES

- 全铝合金壳体设计，三段积木式结构，强度高，重量轻，外形美观；
All aluminum housing design, three-section modular type structure, high strength, lightweight and aesthetic appearance;
- 前进挡和倒挡全同步，一二挡三锥，三四挡双锥，换挡更轻便；
All synchronizer for forward and rev. gears, triple cone for I and II gears, dual cone for III and IV gears, high shifting performance;
- 同步环采用钢基喷钼技术，摩擦系数大，可靠性高，使用寿命长；
Use steel-base & molybdenum covered synchronizer ring, high reliability and long using life;
- 带换挡惯量块，增加换挡吸入感；
Increased shifting performance with gear shifting counterweight;
- 细高齿设计，重合系数大，传动平稳，噪音低，采用倒三轴结构，怠速噪音更低；
High-tooth gear design, large overlap coefficient, stable driving and low noise, reverse three-shaft structure, low noise during idling;
- 可匹配手制动器、取力器；
Hand brake and PTO optional;
- 国际排挡方式，操纵更方便，同时满足出口市场需求。
International shifting pattern, easy operating, meet exporting requirements.



技术参数 TECHNICAL PARAMETERS

型号 Model	中心距 Center Distance(mm)	额定输入扭矩 Rated input torque/N.m	各挡速比 Gear ratio							净重 Net Weight (Kg)	注油量 Oil capacity (L)
			1	2	3	4	5	6	R		
MW6G32	85	320	5.47	3.13	1.98	1.35	1	0.80	4.96	58	2.2
MW6G32	85	360	4.40	2.52	1.70	1.27	1	0.81	3.99	58	2.2



匹配发动机 MATCHING ENGINE

4A2 等 360N.m 以内发动机。(Output torque within 360N.m.)



适用车型 APPLICABLE VEHICLES

适用于皮卡、轻客等车型。
Pickup, light bus and etc.