







LET'S MOVE TO THE NEXT STEP

ENTER INTO THE FUTURE



QUALITY
SOLUTIONS
TECHNOLOGY

MOTOR-IN-WHEEL DRIVE MIWD5K-28



PRODUCT CODE	KLMT04688-A	
DESCRIPTION	MIWD8K-28	
MAXIMUM LOAD CAPACITY	15	Кд
RATIO	28 : 1	
UNIT NOMINAL SPEED	0,7	m/s
CONTINUOS WHEEL TORQUE	1,1	Nm
WHEEL DIMENSIONS	Ø 49 x 14	mm
WHEEL TYRE	Urethane 65° SHORE A	
SERVICE LIFE	20.000	h

- MODULAR DESIGN motors power, gearbox ratio, sensors as per your needs
- smallest SIZE EVER of traction wheel. You can keep it in your hands
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- high efficiency mechanical and electrical solution
- SHORE could be customize as per your application

MOTOR-IN-WHEEL DRIVE DIF7K-8





PRODUCT CODE	KLMT04691-A	
DESCRIPTION	DIFFERENTIAL DRIVE DIF7K	
MAXIMUM LOAD CAPACITY	500	Кд
RATIO	8,3 : 1	
UNIT NOMINAL SPEED	1,2	m/s
CONTINUOS WHEEL TORQUE	4	Nm
WHEEL DIMENSIONS	Ø 73 x 19	mm
WHEEL TYRE	Urethane 95° SHORE A	
SERVICE LIFE	10.000	h

- $\hbox{-} \, \mathsf{MODULAR} \, \mathsf{DESIGN} \, \mathsf{motors} \, \mathsf{power}, \, \mathsf{gearbox} \, \mathsf{ratio}, \mathsf{sensors} \, \mathsf{as} \, \mathsf{per} \, \mathsf{your} \, \mathsf{needs} \\$
- smallest SIZE of AGV traction wheel with high PAYLOAD, integrating $\ensuremath{\mathsf{ELMO}}$
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- integrated electromagnetic EMERGENCY/PARKING BRAKE
- integrated traction drive ELMO PLATINUM TWITTER drive with FSoE
- integrating POWER and SIGNALS SLIPRINGS for 360° continuous rotation

MOTOR-IN-WHEEL DRIVE MIWD11K-16



PRODUCT CODE	KLMT04122-A	
DESCRIPTION	STEERING MIWD11K-16A	
MAXIMUM LOAD CAPACITY	300	Кд
RATIO	16 : 1	
UNIT NOMINAL SPEED	1,2	m/s
CONTINUOS WHEEL TORQUE	9	Nm
WHEEL DIMENSIONS	Ø 110 x 48	mm
WHEEL TYRE	Urethane 95° SHORE A	
SERVICE LIFE	20.000	h

- MODULAR DESIGN motors power, gearbox ratio, sensors as per your needs
- smallest SIZE of AGV traction wheel, complete with servo steering
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- integrated electromagnetic EMERGENCY/PARKING BRAKE
- POWER and SIGNALS SLIPRINGS available for 360° continuous rotation

TRACTION UNIT TR16K-24250.23.E



PRODUCT CODE	KLMT04478-S / KLMT04478-D	
DESCRIPTION	TR16K-24250.23.E	
MAXIMUM LOAD CAPACITY	50	Кд
RATIO	23,3 : 1	
UNIT NOMINAL SPEED	1,6	m/s
CONTINUOS WHEEL TORQUE	30	Nm
WHEEL DIMENSIONS	Ø 160 x 40	mm
WHEEL TYRE	Rubber 65° SHORE A	
SERVICE LIFE	10.000	h

- high volume design with optimize price but less flexibility of customization
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- integrated electromagnetic EMERGENCY/PARKING BRAKE
- integrated INCREMENTAL ENCODER

MOTOR-IN-WHEEL DRIVE MIWD16K-25



PRODUCT CODE	KLMT04570-A	
DESCRIPTION	MIWD16K-25A	
MAXIMUM LOAD CAPACITY	600	Кд
RATIO	25 : 1	
UNIT NOMINAL SPEED	1,6	m/s
CONTINUOS WHEEL TORQUE	60	Nm
WHEEL DIMENSIONS	Ø 163 x 80	mm
WHEEL TYRE	Urethane 95° SHORE A	
SERVICE LIFE	20.000	h

- MODULAR DESIGN motors power, gearbox ratio, sensors as per your needs
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- integrated electromagnetic EMERGENCY/PARKING BRAKE
- integrated INCREMENTAL ENCODER
- integrated STEERING ABSOLUTE ENCODER
- POWER and SIGNALS SLIPRINGS available for 360° continuous rotation

MOTOR-IN-WHEEL DRIVE MIWD21K-25





PRODUCT CODE	KLMT04435-A	
DESCRIPTION	MIWD21K-25A	
MAXIMUM LOAD CAPACITY	1000	Кд
RATIO	25 : 1	
UNIT NOMINAL SPEED	1,6	m/s
CONTINUOS WHEEL TORQUE	160	Nm
WHEEL DIMENSIONS	Ø 214 x 80	mm
WHEEL TYRE	Urethane 95° SHORE A	
SERVICE LIFE	20.000	h

- MODULAR DESIGN motors power, gearbox ratio, sensors as per your needs
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- integrated traction drive ELMO GOLD SOLO TWITTER
- etherCAT bus communication
- integrated electromagnetic EMERGENCY/PARKING BRAKE
- integrated SAFETY INCREMENTAL ENCODER SIL2
- accessible USB connection for programming



PRODUCT CODE	KLMT04669-A	
DESCRIPTION	MIWD21KP-25A	
MAXIMUM LOAD CAPACITY	1200	Кд
RATIO	25 : 1	
UNIT NOMINAL SPEED	1,8	m/s
CONTINUOS WHEEL TORQUE	160	Nm
WHEEL DIMENSIONS	Ø 214 x 80	mm
WHEEL TYRE	Urethane 95° SHORE A	
SERVICE LIFE	20.000	h

- MODULAR DESIGN motors power, gearbox ratio, sensors as per your needs
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- integrated traction drive ELMO PLATINUM TWITTER
- etherCAT bus communication with FSoE (SAFETY OVER ETHERCAT)
- integrated electromagnetic EMERGENCY/PARKING BRAKE
- accessible USB connection for programming



PRODUCT CODE	KLMT04494-A	
DESCRIPTION	360 ° STEERING MIWD24K-25A w/ SLIPRING	
MAXIMUM LOAD CAPACITY	1200	Кд
RATIO	25 : 1	
UNIT NOMINAL SPEED	1,8	m/s
CONTINUOS WHEEL TORQUE	160	Nm
WHEEL DIMENSIONS	Ø 239 x 80	mm
WHEEL TYRE	Urethane 95° SHORE A	
SERVICE LIFE	20.000	h

- MODULAR DESIGN motors power, gearbox ratio, sensors as per your needs
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- integrated traction drive ELMO GOLD TWITTER R80/80
- integrated traction drive ELMO DOUBLE GOLD TWITTER R1600/80
- POWER and SIGNALS SLIPRINGS for 360° continuous rotation
- integrated electromagnetic EMERGENCY/PARKING BRAKE
- integrated SAFETY INCREMENTAL ENCODER SIL2
- etherCAT bus communication
- BLUETOOTH or SERIAL connection for programming and diagnostic

MOTOR-IN-WHEEL DRIVE MIWD32KM-35



PRODUCT CODE	KLMT04541-R/KLMT04541-L	
DESCRIPTION	MIWD32KM-35A	
MAXIMUM LOAD CAPACITY	750	Кд
RATIO	35 : 1	
UNIT NOMINAL SPEED	1,6	m/s
CONTINUOS WHEEL TORQUE	160	Nm
WHEEL DIMENSIONS	Ø 320 x 150	mm
WHEEL TYRE	MECANUM WHEEL w/Urethane 95° SHORE A ROLLERS	
SERVICE LIFE	20.000	h

- MODULAR DESIGN motors power, gearbox ratio and sensors as you needs
- BLDC MOTOR TECHNOLOGY, with double feedback for higher precision
- integrated traction drive ELMO GOLD SOLO TWITTER R80/80
- etherCAT bus communication
- integrated electromagnetic EMERGENCY/PARKING BRAKE
- integrated SAFETY INCREMENTAL ENCODER SIL2
- accessible USB connection for programming
- MECANUM wheel for omnidirectional high performances vehicles



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