

## Rotary Encoders Selection Guide

Rotary Encoders family is currently comprised of 14 distinct series', that range from 28 millimeter diameter encoders up to 102 millimeter ones. Depending on particular models, encoders can have up to 10.800 lines on disc, up to 21 bit singleturn resolution and up to 40 bit multiturn resolution. Different shaft type encoders are available depending on the preference of the customer.

Series	Cross section	Number of lines* / resolution	Accuracy (arc.sec)	Shaft type	Output signals
 A28		60-2.500	±0.1T	Solid shaft	TTL
 A36		100-3.600	±0.1T	Solid shaft	11 µApp 1 Vpp TTL
 AK36		Up to 21 bit singleturn Up to 40 bit multiturn	±0.1T	Solid shaft	SSI BiSS C
 A42M		1.000; 2.500	±0.1T	Hollow shaft	11 µApp 1 Vpp TTL
 A75M		512; 2.048	±0.1T	Hollow shaft	1 Vpp TTL
 AK50		Up to 8 bit	±120	Solid shaft	TTL; HTL
 A58 series (incl. HE, HME, HE1 series)		100-10.800	±0.1T	Solid/ hollow/ blind shaft**	11 µApp 1 Vpp TTL; HTL
 AK58		Up to 21 bit singleturn Up to 40 bit multiturn	±50	Solid shaft	SSI BiSS C EtherCAT
 AP58		1-65.536 (pulses per revolution)	±0.1T	Solid/ hollow shaft	TTL; HTL
 A102H		5.000	±0.05T	Hollow shaft	11 µApp 1 Vpp TTL
 AM		16-1.024 for HTL/Up to 12 bit for SSI	±0.3	Solid shaft	TTL; HTL

\*others only on request. Possible interpolation factor up to x10.

\*\*depending on the model