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Brand	Brand Model Number	Crossover with BEI® Model Number		BEI Encoder Specifications	Datasheet
Allen Bradley	845F 845H 845K 845L 845N	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Allen Bradley	845D 845G	Model H25®		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder
Allen Bradley	845P 845T	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Avtron	AV20	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Avtron	AV25	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Avtron	HS25A	Model HS25		Incremental Optical Encoder 2.5" diameter Resolution up to 2,048 NEMA 4, 13 and IP65 Ratings	Model HS25 Incremental Encoder
Avtron	HS35A	Model HS35		Incremental Optical Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) NEMA 4 and 13	Model HS35 Incremental Encoder
Balluff	BDG 9106/9206	Model HS25		Incremental Optical Encoder 2.5" diameter Resolution up to 2,048 NEMA 4, 13 and IP65 Ratings	Model HS25 Incremental Encoder










Balluff	BRG-A BRG-C BRG-E BRG-B BRG-D	Model H25®		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder
Balluff	BDG 6110 BDG 6130/6360 BDG 6009 BDG 5909 BDG 8130/8360	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Balluff	BDG 8712	Model HS35		Incremental Hollow-Shaft Optical Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) Accommodates shafts up to 1" in diameter	Model HS35 Incremental Hollow Shaft Encoder
Balluff	BDG 6460	Model L15		Incremental Optical Encoder 1.5" diameter Resolution up to 2,540 CPT (40,640 CPT with interpolation) NEMA 3	Model L15 Incremental Encoder
Data Technologies	DT25 OC25 OS25	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Data Technologies	MS58 RS23	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Disc instruments	25 701 702 811 E20	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Disc instruments	EC80	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Disc instruments	X700 X702	H38		Incremental Explosion Proof Encoder 3.75" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) NEMA Class 4X, 6 and 13 Environmental ratings	Model H38 Incremental Explosion Proof Encoder
Dynamic Research Corp (DRC)	25 H25*	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder









Dynamic Research Corp (DRC)	23 150 77 HD2 M21	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Dynamic Research Corp (DRC)	31 HS30	HS35F		Incremental Hollow Shaft Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) NEMA 4, 13, IP65 environmental ratings	Model HS35 Incremental Hollow Shaft Encoder
Dynapar	42 60 61 525 526 625 H42 HA525 HA625 HA725 HC625 HR525 HR600	H25		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Dynapar	A125	H25		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder
Dynapar	21 22 30 31 32 58 E15 E20 H20 H22 H23 H58 HR625	H20		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding	Model H20® Incremental Encoder
Dynapar	HS35	HS35F		Incremental Hollow-Shaft Optical Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) Accommodates shafts up to 1" in diameter	Model HS35 Incremental Hollow Shaft Encoder
Dynapar	EX625 X25	H38		Incremental Explosion Proof Encoder 3.75" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) NEMA Class 4X, 6 and 13 Environmental ratings	Model H38 Incremental Explosion Proof Encoder
ELAP	E540 E620 E621 RE540	DHM		Incremental Optical Encoder 58mm diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) IP65 rating (IP67 with sealing flange)	Model DHM5 Incremental Encoder

ELAP	SEB50	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Eltra	EL63A EL63D EL63E	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Eltra	EL63F EL63G EL63P	HS25		Incremental Hollow-Shaft Optical Encoder 2.5" diameter Resolution up to 2,048 CPT NEMA 4, 13 and IP65 environmental ratings	Model HS25 Incremental Hollow Shaft Encoder
Eltra	EH-EL58	DHM		Incremental Optical Encoder 58mm diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) IP65 rating (IP67 with sealing flange)	Model DHM5 Incremental Encoder
Eltra	EL40A	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Eltra	EL40B	L15		Incremental Optical Encoder 1.5" diameter Resolution up to 2,540 CPT (40,640 CPT with interpolation) NEMA 3	Model L15 Incremental Encoder
Eltra	EA58-63	Model H25®		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder
Encoder Products Company (EPC)	715 716-15 725	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 72,000 CPT EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Encoder Products Company (EPC)	925	Model H25®		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder
Encoder Products Company (EPC)	702 711 712 713 716-05 716-12 716-24 716-8 716-HV 755A	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 4096 CPT EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder

Encoder Products Company (EPC)	230 770 775	HS35F		Incremental Hollow-Shaft Optical Encoder 3.5" diameter Resolution up to 80,000 CPT Accommodates shafts up to 1" in diameter	Model HS35 Incremental Hollow Shaft Encoder
Encoder Tech	DW38	HS35 DrawWorks Encoder		3.5" diameter Hollow-Shaft Incremental Encoder Resolution up to 5,000 CPT Hard-anodized metal housing and sealed connector Dual bearings and shaft seals for NEMA 4 and 13 (IP65) ratings	DrawWorks Encoder Model HS35
Encoder Tech	ET23	HS25		Incremental Hollow-Shaft Optical Encoder 2.5" diameter Resolution up to 2,048 CPT NEMA 4, 13 and IP65 environmental ratings	Model HS25 Incremental Hollow Shaft Encoder
Encoder Tech	ET35 MAG35	HS35		Incremental Hollow Shaft Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) NEMA 4, 13, IP65 environmental ratings Max Temp Rating -40 to +105° C	Model HS35 Incremental Hollow Shaft Encoder
Encoder Tech	E2.0 HBS2.0 HD2.0	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Encoder Tech	HD2.5	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Encoder Tech	HS20	HS20		Incremental Hollow Shaft Encoder 2.0" diameter Resolution up to 1,024 CPT IP64 environmental rating	Model HS20 Incremental Encoder
Encoder Tech	S20	ES20		Environmentally Sealed Incremental Encoder 2.0" diameter Resolution up to 1,024 CPT IP67/IP68 environmental rating (Consult factory for IP68 applications)	Model ES20 Environmentally Sealed Encoder
Encoder Tech	S25	ES25		Environmentally Sealed Incremental Encoder 2.5" diameter Resolution up to 2,048 CPT IP67/IP68 environmental rating (Consult factory for IP68 applications)	Model ES25 Environmentally Sealed Encoder
Fanuc	A86L	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder

Gurley	8x25 9x25	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Gurley	R158 9120 9220	DHM		Incremental Optical Encoder 58mm diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) IP65 rating (IP67 with sealing flange)	Model DHM5 Incremental Encoder
Gurley	9x20	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder
Gurley	8x35H	HS35		Incremental Hollow-Shaft Optical Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) Accommodates shafts up to 1" in diameter	Model HS35 Incremental Hollow Shaft Encoder
Heidenhain	ROD Series Shafted Encoders	DHM		Incremental Optical Encoder 58mm diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) IP65 rating (IP67 with sealing flange)	Model DHM5 Incremental Encoder
Heidenhain	ROD Series Hollow Shaft Encoders	HS35		Incremental Hollow-Shaft Optical Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) Accommodates shafts up to 1" in diameter	Model HS35 Incremental Hollow Shaft Encoder
Heidenhain	ERN	HS25		Incremental Hollow-Shaft Optical Encoder 2.5" diameter Resolution up to 2,048 CPT NEMA 4, 13 and IP65 environmental ratings	Model HS25 Incremental Hollow Shaft Encoder
Hohner	10 GHM5 INHO IP30 K66 W	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Hohner	GHM5 H3365 IN85	DHM		Incremental Optical Encoder 58mm diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) IP65 rating (IP67 with sealing flange)	Model DHM5 Incremental Encoder
Hohner	84 BS GHM4 H301	Model H20®		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT (4,096 CPT with interpolation) EMI shielding NEMA 4 and 13	Model H20® Incremental Encoder

Hohner	GH05 HW180	HS25		Incremental Hollow Shaft Encoder 2.5" diameter Resolution up to 2,048 CPT NEMA 4, 13 and IP65 environmental ratings	Model HS25 Incremental Encoder
Hohner	14 IN88	HS35		Incremental Hollow-Shaft Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) Accommodates shafts up to 1" in diameter	Model HS35 Incremental Hollow Shaft Encoder
Hohner	AMH5	Model H25®		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder
Renco	25AE 25LE 25S 25SE 25XH 30HDE HDR70 R2523 RS250	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 72,000 CPT EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Renco	R5000	HS25		Incremental Hollow Shaft Encoder 2.5" diameter Resolution up to 2,048 CPT NEMA 4, 13 and IP65 environmental ratings	Model HS25 Incremental Hollow Shaft Encoder
Renco	RCM21/R50i	DH05		Incremental Optical Encoder 2.2" diameter Resolution up to 2,540 CPT NEMA 5 (for through shaft versions) and 12 (for blind shaft versions)	DH05 Optical Incremental Encoder
Sequential	25C 25GL 25GN 30GN	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 72,000 CPT EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
Sequential	25HN	Model H25®		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder
Sequential	35GT	HS35		Incremental Hollow-Shaft Optical Encoder 3.5" diameter Resolution up to 80,000 CPT Accommodates shafts up to 1" in diameter	Model HS35 Incremental Hollow Shaft Encoder
Sick (Stegmann)	DG60 DGS20 DGS60	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder

Sick (Stegmann)	DGS60	Model DHM		Metric Incremental Optical Encoder 58mm diameter Resolution up to 80,000 CPT with interpolation IP65, NEMA 4X & 13 Ratings	Model DHM5 Incremental Encoder
Sick (Stegmann)	LD20	Model L25		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) NEMA 2 Rating (IP43)	Model L25 Incremental Encoder
Sick (Stegmann)	ARS25 ARS60	Model H25®		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder
Sick (Stegmann)	DGS35	Model HS35		Incremental Optical Encoder 3.5" diameter Resolution up to 5,000 CPT (80,000 CPT with interpolation) NEMA 4 and 13	Model HS35 Incremental Encoder
US Digital		Model HS20		Incremental Optical Encoder 2.0" diameter Resolution up to 1,024 CPT IP64 Rating	Model HS20 Incremental Encoder
US Digital	B5M HB6M	DH05		Incremental Optical Encoder 2.2" diameter Resolution up to 2,540 CPT NEMA 5 (for through shaft versions) and 12 (for blind shaft versions)	DH05 Optical Incremental Encoder
US Digital		Model HS25		Incremental Optical Encoder 2.5" diameter Resolution up to 2,048 NEMA 4, 13 and IP65 Ratings	Model HS25 Incremental Encoder
US Digital	HD25	Model H25®		Incremental Optical Encoder 2.5" diameter Resolution up to 5,000 CPT (72,000 CPT with interpolation) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Incremental Encoder
US Digital	HD25A	Model H25®		Absolute Optical Encoder 2.5" diameter 13 Bits Resolution (Max) EMI shielding 40 lb. Precision ABEC bearings	Model H25® Absolute Encoder