

REALIMENTACIÓN

Guía de referencia rápida

UNA LÍNEA INTEGRAL DE ENCODERS ABSOLUTO, INCREMENTAL Y PRODUCTOS DE RETROALIMENTACIÓN ROTATIVA.



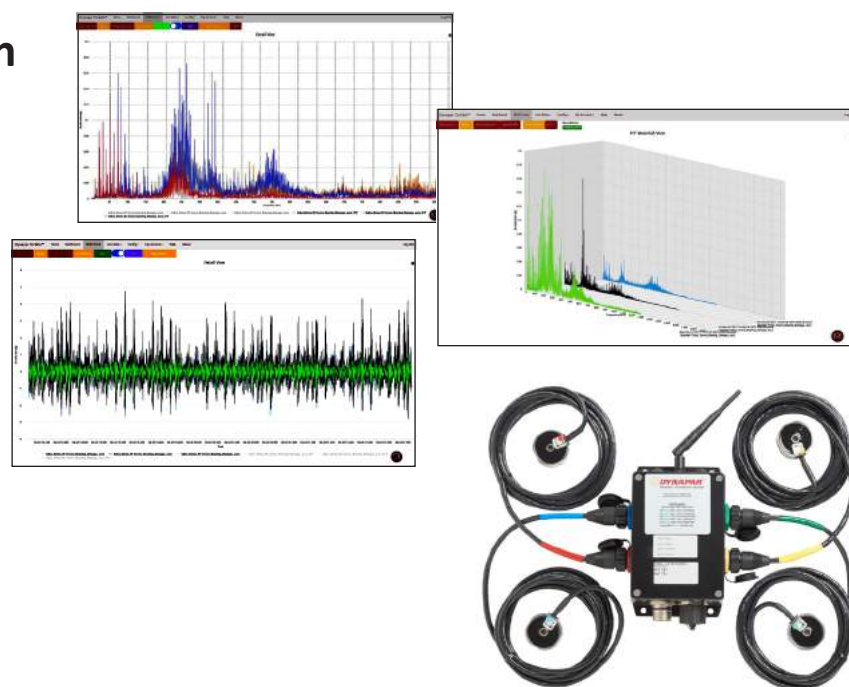
Condición remota

Predecir problemas antes que ocurren con un control remoto con sistema de monitoreo de condición a un precio que lo sorprenderá usted.

Transforme sus operaciones con la condición Dynapar OnSite Sistema de monitoreo

Asequible sin una gran inversión inicial requerido.

- Fácil de instalar e implementar en cualquier activo.
- Supervisar la vibración, la temperatura y el tiempo real velocidad de funcionamiento (con entrada de codificador opcional.)
- Recibe alarmas remotas enviadas a tu teléfono.
- Herramientas integradas basadas en la nube que incluyen RMS vista de tendencias, FFT, diagramas de agua, armónicos cursores y más.



COMO USAR ESTA GUIA

La Guía de referencia rápida está diseñada para simplificar la selección de productos. La guía le proporciona un árbol de decisiones para ayudarlo a seleccionar el producto apropiado para sus necesidades.

- Paso 1: seleccione el tipo de retroalimentación (Absoluto, Resolver, Incremental.)
- Paso 2: seleccione el estilo de montaje (eje, eje del cubo, eje hueco, etc.)
- Paso 3: seleccione la "Clasificación de servicio" adecuada para su aplicación (consulte la página 6 para ver las clasificaciones de servicio del codificador.)
- Paso 4: desplácese hacia abajo hasta la sección "Deber" correspondiente para ver las especificaciones del codificador.
- Paso 5: seleccione el codificador que se ajuste a sus criterios.

		Page				
Incremental	Shafted	Light Duty	E12	1.2" servo mount encoder. 250-1024 PPR.	7	
			E14	<2.0" servo mount encoder. 100-2540 PPR.	7	
			E141C	<2.0" servo mount encoder. 100-2540 PPR.	7	
	Hub Shaft	Light Duty	E23	2.3" diameter standard servo mount encoder. 1-2540 PPR.	7	
			EC23	2.3" diameter standard servo mount encoder. 3000-5000 PPR.	7	
		Hub Shaft	Industrial Duty	NexGen 22 Qube	2-2.5" Qube style encoder. 1-3600 PPR.	8
				H20	2.0" square flange/servo mount encoder. 1-2540 PPR.	8
				HA25	2.5" square flange/servo mount encoder. 1-2540 PPR.	8
				HR25	2.5" square flange/servo mount encoder. 1-1024 PPR.	8
				HC25	2.5" square flange/servo mount encoder. 3000-5000 PPR.	8
				HA26	2.5" encoder. 1-2540 PPR.	8
HR26				2.5" encoder. 1-1024 PPR.	8	
HC26				2.5" encoder. 3000-5000 PPR.	8	
H58				58mm servo mount encoder. 1-2540 PPR.	9	
RI58-0	Synchro, clamping and square flange mounts. 1-10,000 PPR.			9		
H42	2.5" flange mount. 1-600 PPR.			9		
HA725	2.5" square flange. 8192-10,000 PPR.			9		
Hub Shaft	Heavy Duty	Standard Models				
		HD20	2.0" square flange mount encoder. 1-3600 PPR.	12		
		HD25	2.5" square flange mount encoder. 1-5000 PPR.	12		
		HD35R	110mm IEC Euro Flange. 1-5000 PPR.	12		
		DWD38	>2.5" drawworks encoder. 15-5000 PPR.	12		
		60 Rotopulser	3.5" servo mount encoder. 1-2500 PPR.	12		
		60P Rotopulser	>2.5" foot mount or 4.5" C-face encoder. 1-2500 PPR.	12		
		H56 Rotopulser	>2.5" foot mount or 4.5" C-face encoder. 1-5000 PPR.	12		
		Rim Tach@ NexGen 6200	4.5" C-FACE encoder. 60-2400 PPR.	14		
		Rim Tach@ 6200	4.5" C-FACE encoder. 60-1200 PPR.	14		
		Hazardous Duty Models				
		Hazardous HD20	2.0" square flange encoder. 1-3600 PPR.	12		
Hazardous HD25	2.5" square flange encoder. 1-5000 PPR.	12				
ISW38	>2.5" drawworks encoder. 15-5000 PPR.	12				
X25	>2.5" square flange encoder. 1-5000 PPR.	12				
RX70/71	69mm clamping flange encoder. 1-10,000 PPR.	12				
Hub Shaft	Light Duty	E14H	<2.0" hub shaft encoder. 100-2540 PPR.	7		
Hub Shaft	Industrial Duty	H20 Hub Shaft	2.0" hub shaft encoder. 1-2540 PPR.	9		
		RI58 - H	58mm synchro flange encoder. 1-5000 PPR.	9		
Hub Shaft	Heavy Duty	Standard Models				
		HSD25	2.5" hub shaft encoder. 1-3600 PPR.	12		
		HSD44	>2.5" hub shaft encoder. 15-5000 PPR.	13		
RR25	2.5" hub shaft encoder. 180-512 PPR.	13				
Hazardous Duty Models						
ISD25	2.5" hub shaft encoder. 1-3600 PPR.	12				
EN44	>2.5" hub shaft encoder. 1024 & 2048 PPR.	12				

Incremental			Page			
Hollow Shaft	Industrial Duty	HS20	2.0" hollow bore encoder. 50-2540 PPR.	9		
		HS35R	>2.5" hollow bore encoder. 1-5000 PPR.	9		
	Servo Duty	F10	1.25" compact encoder. 1024 & 2048 PPR. 6 poles	10		
		F14	<2.0" hollow bore encoder. 1000-5000 PPR. 4, 6 or 8 poles.	10		
		F15	<2.0" pancake style servo mount encoder. 1024 & 2048 PPR. 6 or 8 pole.	10		
		F18	<2.0" encoder. 500-4096 PPR. 4, 6, 8 or 12 pole.	10		
		HC20	2.0" hollow bore direct mount encoder. 500-2500 PPR. 4, 6 or 8 pole.	11		
	Heavy Duty	Standard Models				
		HSD35	3.5" hollow bore encoder. 1-5000 PPR.	13		
		HSD37	3.5" hollow bore encoder. 15-5000 PPR.	13		
		HSD38	3.5" hollow bore encoder. 15-5000 PPR.	13		
		Slim Tach® HT85	4.5" hollow bore encoder. 60-2400 PPR.	15		
		Slim Tach® HT55	>3.5" hollow bore encoder. 256-4096 PPR.	15		
	Hazardous Models					
	Hazardous HSD35	>3.5" hollow bore encoder. 1-5000 PPR.	13			
	ISD37	>3.5" hollow bore encoder. 15-5000 PPR.	13			
	EN42	>2.5" hollow bore encoder. 15-5000 PPR.	13			
	Bearingless	Heavy Duty	Slim Tach® NEXGEN ST56	4.5" C-Face encoder. 64-2048 PPR.	14	
Slim Tach® NEXGEN ST67			4.5" C-Face encoder. 64-2048 PPR.	14		
Slim Tach® NEXGEN ST85			8.5" C-Face encoder. 64-2048 PPR.	14		
Slim Tach® ST1250			12.5" C-Face encoder. 64-2048 PPR.	15		
Rim Tach® NEXGEN 1250			12.5" C-Face encoder. 60-2400 PPR.	14		
Rim Tach® 1250			12.5" C-Face encoder. 60-1200 PPR.	14		
Rim Tach® NEXGEN 8500			8.5" C-Face encoder. 60-2400 PPR.	14		
Rim Tach® 8500			8.5" C-Face encoder. 60-1200 PPR.	15		
HDP18			<2.5" shaft-less encoder. 64 PPR.	15		
HDP30			<2.5" shaft-less encoder. 8-512 PPR.	15		
HDN58			58mm shaft-less encoder. 8-512 PPR.	15		
R45 Rotopulser			4.5" C-Face encoder. 60 PPR.	15		
Modular			Servo Duty	E9	0.9" diameter modular encoder. 100-512 PPR.	11
				M9	0.9" diameter modular encoder. 100-512 PPR.	11
				M15	Size 15 commutating encoder. 200-1000 PPR. 4, 6 or 8 pole.	11
	M53	2.0" modular hollow bore encoder. 500-2048 PPR. 4, 6 or 8 pole.		11		
	M602/M832	<2.0" Separate Module and Disc / Hub mounting. 1-5000 PPR.		11		

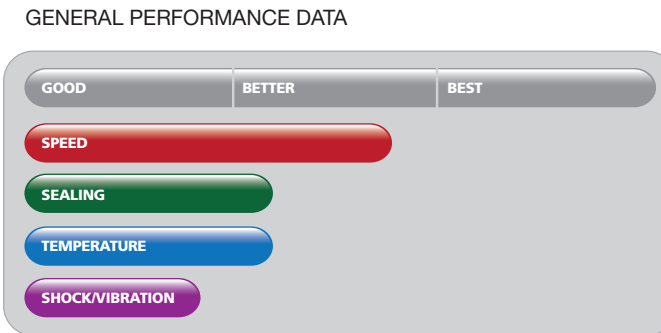
Absolute			Page	
Shafted	Industrial Duty	AI25	58mm, 2.5" or hub shaft encoder. 22 Bit ST, 12 Bit MT resolution.	8-9
		AC36	37.5mm encoder. 22 Bit ST, 12 Bit MT resolution.	9
	Servo Duty	AD34	37.5mm encoder. 22 Bit ST, 12 Bit MT resolution.	10
		AD25	58mm encoder. 22 Bit ST, 12 Bit MT resolution.	10
	Heavy Duty	Standard Models		
		AR62/63	58mm or 2.5" encoder. 12 Bit ST, 16 Bit MT resolution.	15
	Hazardous Models			
	AX65	59mm servo mount encoder. 12 Bit ST, 16 Bit MT resolution.	13	
	AX70/71	70mm servo mount encoder. 22 Bit ST, 12 Bit MT resolution.	13	
	AX73	73.5mm face mount encoder. 14 Bit ST, 12 Bit MT resolution.	13	
AC61	63.5mm square flange encoder. 17 Bit ST, 12 Bit MT.	13		
AI25 C1D2	58mm, 2.5" encoder. 22 Bit ST, 12 Bit MT	13		
Hub Shaft	Industrial Duty	AI25	58mm, 2.5" or hub shaft encoder. 22 Bit ST, 12 Bit MT resolution.	8-9
		AC36	37.5mm encoder. 22 Bit ST, 12 Bit MT resolution.	9
	Servo Duty	AD35	38mm hub shaft encoder. 22 Bit ST, 12 Bit MT resolution.	10
		AD36	38mm hollow bore or hub shaft encoder. 22 Bit ST, 12 Bit MT resolution.	10
Heavy Duty	Hazardous Models			
	AI25 C1D2	58mm, 2.5" encoder. 22 Bit ST, 12 Bit MT	13	
Hollow Shaft	Servo Duty	AD36	38mm hollow bore or hub shaft encoder. 22 Bit ST, 12 Bit MT resolution.	10
Housed Resolver	Servo Duty	11	1.1" servo mount shafted resolver. +/- 3 arcmin accuracy.	10
		R11	1.1" servo mount shafted resolver. +/- 6 arcmin accuracy.	10
Heavy Duty	R25	2.5" servo and flange mount resolver. +/- 7 arcmin single speed accuracy.	13	
	RH25	2.5" Hub Shaft Resolver. +/- 7 arcmin single speed accuracy	13	
	R56	5.6" foot/c face mount resolver. +/- 7 arcmin single speed accuracy.	13	
	RF25	2.5" square flange resolver. +/- 10 arcmin single speed accuracy.	13	
Frameless Resolver	Heavy Duty	Frameless 10	1.0" frameless resolver. +/- 15 arcmin single speed accuracy.	11
		Frameless 15	1.5" frameless resolver. +/- 7 arcmin single speed accuracy.	11
		Frameless 21	2.1" frameless resolver. +/- 7 arcmin single speed accuracy.	11
		Frameless 31	3.1" frameless resolver. +/- 10 arcmin single speed accuracy.	11
		Frameless 55	5.5" frameless resolver. +/- 30 arcmin single speed accuracy.	11
		HaroMax® 15	1.5" frameless resolver. +/- 16 arcmin spread single speed accuracy.	11
		HaroMax® 21	2.1" frameless resolver. +/- 18 arcmin spread single speed accuracy.	11

Trabajo ligero

Los codificadores de servicio liviano se denominan comúnmente como "deber comercial" debido a su uso frecuente en productos comerciales u ofimáticos. Copiadoras, máquinas de fax, equipos de laboratorio y los equipos médicos son aplicaciones comunes para codificadores de trabajo ligero. Normalmente estos dispositivos residen en entornos bastante benignos con poca variación de temperatura, están bastante limpios y no generalmente sometidos a altas cargas de choque o humedad.



E14 Pictured

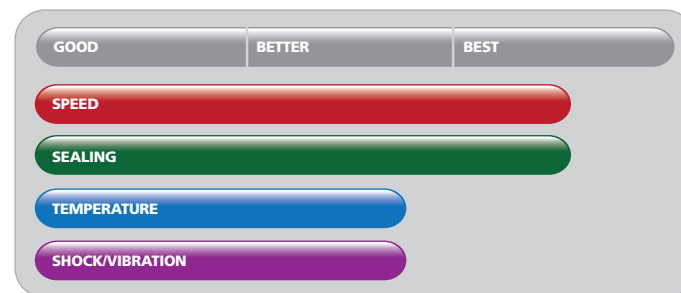


Industrial

A menudo considerado el "caballo de batalla" del mundo de los codificadores, codificadores de uso industrial lograr un buen compromiso entre robustez y rendimiento. Estos codificadores se utilizan normalmente en entornos de fábrica donde se encuentran contaminantes como el polvo y la humedad común. La variedad de eje hueco de industrial Los codificadores de trabajo son a menudo la opción preferida de OEM de motores vectoriales para retroalimentación de velocidad.



HA25 Pictured

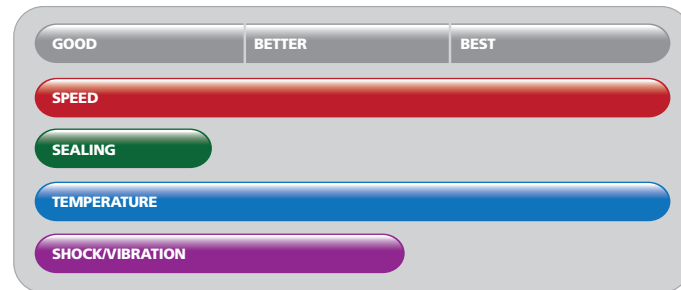


Servicio

Esta clase de codificadores son especialmente adecuada para usar en tamaños pequeños a medianos motores paso a paso y servomotores. Normalmente tienen sellado limitado debido a su uso dentro del motor, pero son capaces de velocidades muy altas y altas temperaturas, un beneficio por ser tan cerca de los devanados del motor. Estos dispositivos suelen venir de fábrica. listo para montar en ejes traseros de motores comunes



AD36 Pictured

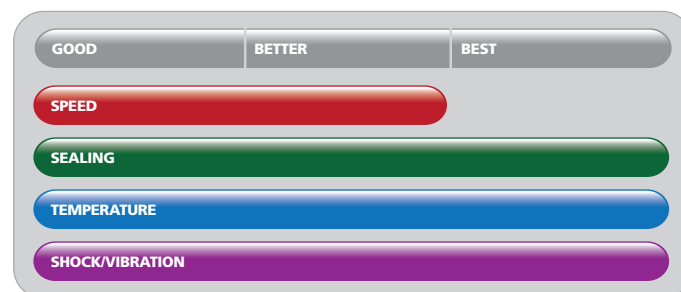


Trabajo pesado

Los codificadores de servicio pesado son diseñados para sobrevivir a algunos de los más duros ambientes. Fábricas de papel y acero, aplicaciones aeroespaciales, y alimentos y maquinaria de procesamiento de bebidas son todas las áreas que se benefician del trabajo pesado codificadores. Utilizando magnéticos, inductivos o tecnología óptica especialmente diseñada, sus cojinetes de sellado hermético para trabajo pesado y rango de temperatura altas para su uso en entornos hostiles.

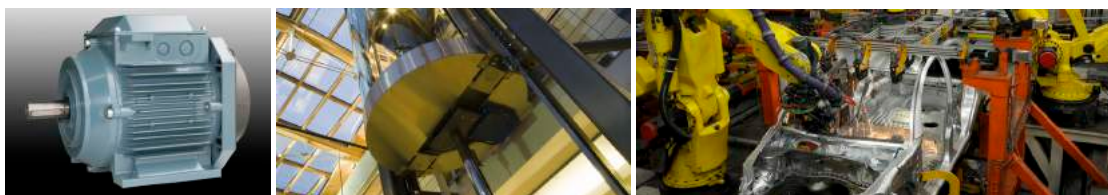


ST56 Pictured



INCREMENTALES

Product	E12	E14	E14IC (Integral Coupling)	E23	EC23	E14H (Hub Shaft)
Mounting Type	Shafted	Shafted	Shafted	Shafted	Shafted	Hub Shaft
Shaft/Bore Sizes	1/8"	1/8" or 1/4"	1/4" or 3/8"	1/4"	1/4"	1/4" to 5/8", 6mm to 14mm
Available Resolutions (PPR)	250 - 1024	100 - 2540	100 - 2540	1 - 2540	3000 - 5000	100 - 2540
Input Voltage (VDC)	5, 12, 15	5, 12, 15	5, 12, 15	5-26	5-26	5, 12, 15
Operating Temperature (°C)	0 to +70	0 to +70	0 to +70	0 to +70	0 to +70	0 to +70
Enclosure Rating	NEMA 12/IP54	NEMA 12/IP54	NEMA 12/IP54	NEMA 12/IP54	NEMA 12/IP54	NEMA 12/IP54
Certifications	RoHS	RoHS	RoHS	RoHS	RoHS	RoHS
Special Features	Sub-Compact 1.2" diameter	Rugged Metal Housing	Integrated coupling	Screw terminal connections	High 5000 PPR capability	Hub Shaft with flex tether



INCREMENTALES

INCREMENTALES

Product	NexGen 22 Qube	H20	HA25	HR25	HC25	HA26	HR26	HC26		H58	RI58-0	H42	HA725	H20 Hub Shaft	RI58 Hub Shaft	HS20	HS35R	Product
Mounting Type	Shafted	Shafted	Shafted	Shafted	Shafted	Shafted	Shafted	Shafted		Shafted	Shafted	Shafted	Shafted	Hub Shaft	Hub Shaft	Hollow Shaft	Hollow Shaft	Mounting Type
Shaft/Bore Sizes	6mm, 1/4" or 3/8"	1/4", 3/8" or 10mm	1/4" or 3/8"	1/4" or 3/8"	1/4" or 3/8"	1/4", 3/8" or 1/2"	1/4", 3/8" or 1/2"	1/4", 3/8" or 1/2"		6 or 10mm	6 or 12mm	3/8"	3/8"	1/4", 3/8", 1/2" or 5/8"	10 or 12mm	1/4" to 5/8" 6mm to 16mm	6mm to 28mm 1/4" to 1-1/4"	Shaft/Bore Sizes
Available Resolutions (PPR)	1 - 3600	1 - 2540	1 - 2540	1 - 1024	3000 - 5000	1 - 2540	1 - 1024	3000 - 5000		1 - 2540	1 - 10,000	1 - 600	8192 - 10,000	1 - 2540	1 - 5,000	50 - 2540	1 - 5000	Available Resolutions (PPR)
Input Voltage (VDC)	5-26	5-26	5-26	5-26	5-26	5-26	5-26	5-26		5-26	5, 10-30	5-26	5 or 10-30	5-26	5 or 10-30	5-26	5-26	Input Voltage (VDC)
Operating Temperature (°C)	-40 to +100	0 to +70 (-40 to +85 opt.)	0 to +70 (-40 to +85 opt.)	0 to +70 (-40 to +85 opt.)	0 to +70 (-40 to +85 opt.)	0 to +70 (-40 to +85 opt.)	0 to +70 (-40 to +85 opt.)	0 to +70 (-40 to +85 opt.)		0 to +70 (-40 to +85 opt.)	-10 to +70	0 to +70	0 to +70	0 to +70 (-40 to +85 opt.)	-10 to +70	0 to +70 (-40 to +85 opt.)	-40 to 85 (-40 to +100 opt.)	Operating Temperature (°C)
Enclosure Rating	IP67 with shaft seals	NEMA 12/IP54 (NEMA 4/IP66 opt.)	NEMA 12/IP54 (NEMA 4/IP66 opt.)	NEMA 12/IP54 (NEMA 4/IP66 opt.)	NEMA 12/IP54 (NEMA 4/IP66 opt.)	NEMA 12/IP54	NEMA 12/IP54	NEMA 12/IP54		NEMA 12/IP54 (NEMA 4/IP66 opt.)	IP65, IP67	NEMA 12/IP54	NEMA 4/IP66	NEMA 12/IP54 (NEMA 4/IP66 opt.)	IP64	NEMA 4/IP65	IP67	Enclosure Rating
Shock / Vibration	100g / 20g	50g / 20g	50g / 20g	50g / 20g	50g / 20g	50g / 20g	50g / 20g	50g / 20g		50g / 20g	100g / 10g	50g / 20g	50g / 2g	50g / 20g	100g / 10g	50g / 2.5g	400g / 30g	Shock / Vibration
Certifications	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS		CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	Certifications
Special Features	Economical anodized housing	Reliable dual-row bearing design	Wide range of resolutions available	Unbreakable code disc	High 5000 PPR capability	Integral coupling and flange	Unbreakable code disc	High 5000 PPR resolution capability		Euro-Standard 58mm mounting	Up to 40,000 steps with 10,000 pulses	Simplified economical design	Direct-read resolution up to 10,000 PPR	Hub Shaft with spring tether	High Accuracy with integrated flexible coupling	Electrically isolated hollow shaft	Shock Resistant to 400g	Key Features

ABSOLUTOS

ABSOLUTOS

Product	AI25 (Ethernet/IP)	AI25 (Profinet)	AI25 (Profibus)	AI25 (EtherCAT)	AI25 (SSI)	AI25 (BiSS)		AI25 (CANOpen)	AI25 (CANLayer2)	AI25 (DeviceNet)	AI25 (Interbus)	AI25 (Parallel)	AC36 (BiSS/SSI)	Product
Mounting Type	Shafted and Hub Shaft	Shafted and Hub Shaft	Shafted and Hub Shaft	Shafted and Hub Shaft	Shafted and Hub Shaft	Shafted and Hub Shaft		Shafted and Hub Shaft	Shafted and Hub Shaft	Shafted and Hub Shaft	Shafted and Hub Shaft	Shafted and Hub Shaft	Shafted and Hub Shaft	Mounting Type
Shaft/Bore Sizes	Shaft: 6-12mm or 3/8" Bore: 10-14mm; 1/2" or 3/8"	Shaft: 6-12mm or 3/8" Bore: 10-14mm; 1/2" or 3/8"	Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available	Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available	Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available	Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available		Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available	Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available	Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available	Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available	Shaft: 6 & 10mm, 3/8" Bore: 10 & 12mm, 3/8" Other Sizes Available	6 mm (Solid Shaft) 8 mm (Hub Shaft)	Shaft/Bore Sizes
Available Resolutions (Bits)	Up to 22 Bit Single Turn, 12 Bit Multi-Turn	Up to 22 Bit Single Turn, 12 Bit Multi-Turn	Up to 14 Bit Single-Turn, 12 Bit Multi-Turn	Up to 22 Bit Single-Turn, Up to 12 Bit Multi-Turn	Up to 17 Bit Single-Turn, 12 Bit Multi-Turn	Up to 22 Bit Single-Turn, 12 Bit Multi-Turn		Up to 14 Bit Single-Turn, 12 Bit Multi-Turn	Up to 14 Bit Single-Turn, 12 Bit Multi-Turn	Up to 14 Bit Single-Turn, 12 Bit Multi-Turn	Up to 12 Bit Single-Turn, 12 Bit Multi-Turn	Up to 14 Bit Single-Turn, 12 Bit Multi-Turn	Up to 22 Bit Single-Turn 12 Bit Multi-Turn	Available Resolutions (Bits)
Input Voltage (VDC)	7-30	7-30	10-30	7-30	5 or 10-30	5 or 10-30		10-30	10-30	10-30	10-30	5 or 10-30	5 or 7-30	Input Voltage (VDC)
Operating Temperature (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +100	-40 to +100		-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +100	-40 to +100	Operating Temperature (°C)
Enclosure Rating	IP64 or IP67	IP64 or IP67	IP64 or IP67	IP64 or IP67	IP64 or IP67	IP64 or IP67		IP64 or IP67	IP64 or IP67	IP64 or IP67	IP64 or IP67	IP64 or IP67	IP64	Enclosure Rating
Shock / Vibration	400g / 30g	400g / 30g	100g / 10g	400g / 30g	100g / 10g	100g / 10g		100g / 10g	100g / 10g	100g / 10g	100g / 10g	100g / 10g	100g / 10g	Shock / Vibration
Certifications	CE, RoHS, UL	CE, RoHS, UL	CE, RoHS, UL	CE, RoHS, UL	CE, RoHS, UL	CE, RoHS, UL		CE, RoHS, UL	CE, RoHS, UL	CE, RoHS, UL	CE, RoHS, UL	CE, RoHS, UL	CE, RoHS, UL	Certifications
Special Features	Ethernet/IP interface	Profinet interface	Profibus interface	EtherCAT interface	SSI interface	BiSS interface		CANOpen interface	CANLayer2 interface	DeviceNet interface	Interbus interface	Parallel interface	Multi-Turn positioning in compact size	Key Features



UNA NOTA SOBRE LOS ENCODERS

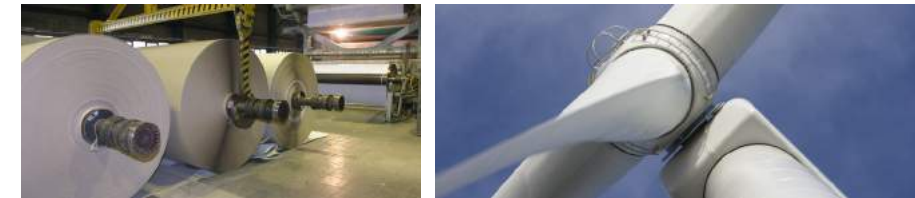
Los encoders sin marco se clasifican como Heavy Duty. Por naturaleza, los encoders son dispositivos extremadamente resistentes sin componentes electrónicos internos. Pueden funcionar sin problemas en aplicaciones de trabajo duro con golpes severos, vibraciones, contaminación y temperaturas extremas.

ENCODERS INDUCTIVO

ABSOLUTOS				
Product	AD34 (BiSS/SSI)	AD35 (BiSS/SSI)	AD36 (BiSS/SSI)	AD25 (BiSS/SSI)
Mounting Type	Shafted	Hub Shaft	Hollow Shaft & Hub Shaft	Shafted
Shaft/Bore Sizes	6mm	8mm	8mm	10mm
Available Resolutions (Bits)	Up to 19 Bit Single-Turn	Up to 22 Bit Single-Turn	Up to 22 Bit Single-Turn, 12 Bit Multi-Turn	Up to 22 Bit Single-Turn, 12 Bit Multi-Turn
Input Voltage (VDC)	5 or 7-30	5 or 7-30	5 or 7-30	5
Operating Temperature (°C)	-15 to +120	-15 to +120	-15 to +120	-15 to +120
Enclosure Rating	IP40	IP40	IP40	IP40
Shock / Vibration	100g / 10g	100g / 10g	100g / 10g	100g / 10g
Certifications	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS
Special Features	Unique one-step notched shaft mounting	Short mounting depth	Up to 22 Bit single-turn resolution	Unique conical shaft for concentric motor mounting

ENCODERS INDUCTIVOS										
Product	11	R11	Frameless 10	Frameless 15	Frameless 21	Frameless 31	Frameless 55	HaroMax® 15	HaroMax® 21	Product
Mounting Type	Shafted	Shafted	Bearingless	Bearingless	Bearingless	Bearingless	Bearingless	Bearingless	Bearingless	Mounting Type
Shaft size/ Max bore size	0.120" (3.05mm)	0.120" (3.05mm)	Up to 6mm	Up to 12mm	Up to 20mm	Up to 40mm	Up to 92mm	Up to 12mm	Up to 20mm	Shaft size/ Max bore size
Accuracy Speed	+/- 3 arcmin	+/- 6 arcmin	+/- 15 arcmin Single speed	+/- 7 arcmin Single speed +/- 4 arcmin Multiple speeds	+/- 7 arcmin Single speed +/- 4 arcmin Multiple speeds	+/- 10 arcmin Single speed +/- 5 arcmin Multiple speeds	+/- 30 arcmin Single speed +/- 2 arcmin Multiple speeds	16 arcmin spread - Single speed	18 arcmin spread - Single speed	Accuracy Speed
Input Voltage (Vrms)	2-26	2-6	2-10	2-10	2-10	2-10	2-10	2-10	2-10	Input Voltage (Vrms)
Operating Temperature (°C)	Up to 125	Up to 125	Up to 200	Up to 200	Up to 200	Up to 200	Up to 200	Up to 155	Up to 155	Operating Temperature (°C)
Enclosure Rating	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Enclosure Rating
Shock / Vibration	N/A	N/A	N/A	50g / 10g	50g / 10g	N/A	N/A	50g / 10g	50g / 10g	Shock / Vibration
Certification	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Certification
Special Features	Radiation Hardened	Radiation Hardened	Radiation Hardened	Radiation Hardened	Radiation Hardened	Radiation Hardened	Radiation Hardened	Machine Wound Stator	Machine Wound Stator	Special Features

INCREMENTALES											
Product	F10	F14	F15	F18	HC20	E9	M9	M15	M53	M602/M832 Module	Product
Mounting Type	Hollow Shaft	Hollow Shaft	Hollow Shaft	Hollow Shaft	Hollow Shaft	Hollow Shaft	Hollow Shaft	Hollow Shaft	Hollow Shaft	Modular	Mounting Type
Shaft/Bore Sizes	6mm	1/4", 6mm, 8mm	3/8"	1/4" to 1/2" 6 to 12mm	6mm, 8mm	1.5 to 4mm, .125", .156"	1.5 to 4mm, .125", .156"	1/8" or 3/8" 6 to 10mm	1/4" to 1/2" 6 to 12mm	1/4", 3/8", 6mm, 8mm, 10mm	Shaft/Bore Sizes
Available Resolutions (PPR)	1024 - 2048	1000 - 5000	1024 - 2048	500 - 4096	500 - 2500	100 - 512	100 - 512	200 - 1000	500 - 2048	1 - 5000	Available Resolutions (PPR)
Input Voltage (VDC)	5	5	5	5	5-26	5	5	5	5 or 12	5	Input Voltage (VDC)
Operating Temperature (°C)	0 to +120	0 to +120	0 to +120	0 to +120	0 to +120	-20 to +100	-20 to +100	0 to +120	0 to +120	-40 to +100	Operating Temperature (°C)
Enclosure Rating	N/A	NEMA 1/ IP40 (w/cover)	N/A	NEMA 1/ IP40 (w/cover)	IP51	N/A	N/A	NEMA 1/ IP50 (w/cover)	NEMA 1/ IP50 (w/cover)	Unsealed Housing	Enclosure Rating
RPM	5,000	12,000	5,000	12,000	2,000	5,000	12,000	12,000	12,000	2,000	RPM
Certifications	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	RoHS	Certifications
Special Features	Compact 1.0" diameter servo ring mount	Non-marring hollow shaft	Industry standard size 15 servo mounting	Under 2.0" dia package with high 4096 PPR capability	Economical servomotor feedback	Super-compact size for small motors	Up to 512 PPR resolution	Easy installation without special tools	Up to 2048 PPR with commutation tracks	Tool-less gapping	Special Features



INCREMENTALES

INCREMENTALES

ENCODERS INDUCTIVOS

Product	HD20	HD25	HD35R	DWD38	Series 60 Rotopulser®	Series 60P Rotopulser®	H56 Rotopulser®	HSD25		HSD44	RR25	HSD35	HSD37	HSD38	RH25	R25	R56	RF25	Product
Mounting Type	Shafted	Shafted	Shafted	Shafted	Shafted	Shafted	Shafted	Hub Shaft		Hub Shaft	Hub Shaft	Hollow Shaft	Hollow Shaft	Hollow Shaft	Hub Shaft	Servo/Flange	Foot/ C- Face	Flange	Mounting Type
Shaft/Bore Sizes	3/8" or 10mm	3/8", 10mm, or 12mm	11mm	1"-14UNS x 5/8"-18 Threaded Shaft or 1"-14UNS Threaded Shaft	1/4" or 1/2"	5/8" shaft (single or dual)	5/8"	6mm - 19mm or 1/4" - 3/4"		16mm	1" or 1-1/8"	6mm - 28mm, or 1/4" - 1 1/4"	6mm to 1" hollow shaft	12mm - 20mm or 1/2" - 1"	3/8"	3/8"	5/8"	3/8"	Shaft/Bore Sizes
Available Resolutions (PPR)	1 - 3600	1 - 5000	1 - 5000	15 - 5000	1 - 2500	1 - 2500	1 - 5000	1 - 3600		15 - 5000	180 - 512	1 - 5000	15 - 5000	15 - 5000	+/- 7 arcmin - Single speed +/- 2 arcmin - Multiple speeds	+/- 7 arcmin - Single speed +/- 2 arcmin - Multiple speeds	+/- 10 arcmin - Single speed 10 arcmin spread - Two speed	+/- 10 arcmin - Single speed 10 arcmin spread - Two speed	Accuracy
Input Voltage (VDC)	5-26	5-26	5-26	5-26	5-15	5-15	5-26	5-26		5-30	5-28	5-26	5-26	5-26	2-12	2-26	26	26	Input Voltage (Vrms)
Operating Temperature (°C)	-40 to +100	-40 to +100	-40 to +85	-40 to +100	0 to +54	0 to +54	-40 to +80	-40 to +100		-30 to +100	-20 to +85	-40 to +85	-40 to +100	-40 to +100	-55 to +125	-55 to +125	-40 to +120	-55 to +125	Operating Temperature (°C)
Enclosure Rating	IP67	IP67	IP67	IP67	NEMA 12/IP54	NEMA 12/IP54 NEMA 4/IP66 opt.)	NEMA 4/ IP66	IP67		NEMA 6	IP67	IP67 (IP64 at shaft speeds above 5000 RPM)	IP67	IP67	IP54	IP65	IP66	IP65	Enclosure Rating
Shock / Vibration	50g / 20g	50g / 20g	400g / 20g	400g / 20g	N/A	N/A	50g / 2.5g	50g / 20g		400g / 20g	50g / 10g	400g / 20g	400g / 20g	50g / 20g	N/A	200g / 40g	50g / 10g	200g / 40g	Shock / Vibration
Certifications	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	N/A	N/A	CE, RoHS	CE, RoHS		CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	RoHS	RoHS	RoHS	RoHS	Certifications
Special Features	Unbreakable Code Disc up to 3600 PPR	Dual Isolated Outputs Available	Improved Seal Design for Increased Moisture Resistance	Stackable Encoder Options Available	Dual shaft output option	Mill-Duty Foot or Face Mount Design	Large Outer Bearings Isolate Shaft Loads	Field Replaceable Shaft Isolators		For use in Heavy-Rail Traction Drive Applications	Corrosion Resistant Construction; Ideal for the Ag Industry	Stainless Steel Clamp and Hub Shaft for Mill Duty	Operates in High Shock and Vibration Environments	Electrically & Thermally Isolated Hollow shaft	Optional Interface Connectors	Optional Connectors & Locations	Latching Connector	Optional Connectors & Locations	Special Features

DEBERES INCREMENTALES Y PELIGROSOS

DEBERES INCREMENTALES Y PELIGROSOS

DEBERES INCREMENTALES Y PELIGROSOS

Product	Hazardous HD20	Hazardous HD25	ISW38	X25	RX70/71	ISD25	EN44		Hazardous HSD35	ISD37	EN42	AI25 Class 1 Div 2 (SSI/BISS)	AX65 (SSI/CAN-Open)	AX70/71 (BISS/SSI/Profibus/DeviceNet/CAN-Open)	AX73 (Profibus)	AC61 (Parallel/Profibus/CAN-Open/CANlayer2/DeviceNet/Interbus/SSI Programmable)	Product
Mounting Type	Shafted	Shafted	Shafted	Shafted	Shafted	Hub Shaft	Hub Shaft		Hollow Shaft	Hollow Shaft	Hollow Shaft	Shafted and Hub Shaft	Shafted	Shafted	Shafted	Shafted	Mounting Type
Shaft/Bore Sizes	3/8", 10mm	3/8", 10mm, 12mm	1"-14UNS x 5/8"-18 Threaded Shaft or 1"-14UNS Threaded Shaft	1/4" or 3/8"	10 mm	6mm - 19mm or 1/4" - 3/4"	16mm		6mm - 28mm, or 1/4" - 1 1/4"	6mm - 25mm or 1/4" to 1"	15mm-16mm or 5/8" - 1"	Shaft: 6&10mm, 3/8" Bore: 10&12mm; 1/4" - 3/8"	10 mm	10 mm	10 mm	9.52 - 10 mm	Shaft/Bore Sizes
Available Resolutions (PPR)	1 - 3600	1 - 5000	15 - 5000	1 - 5000	1 - 10,000	1 - 3600	1024 and 2048		1 - 5000	15 - 5000	15 - 5000	Up to 22 bit Single Turn, 12 bit Multi-Turn	12 Bit Single-Turn, 12, 13 and 16 Bit Multi-Turn	10 - 22 Bit Single-Turn, 12 Bit Multi-Turn	14 Bit Single-Turn, 12 Bit Multi-Turn	10 - 17 Bit Single-Turn, 4 - 12 Bit Multi-Turn	Available Resolutions (Bits)
Input Voltage (VDC)	5-26	5-26	5 or 7-26	5-26	5 or 10-30	5 or 7-26	7-26		5-26	5 or 7-26	7-26 or 10-30	5 or 7-30	10-30	5 or 10-30	10-30	10-30	Input Voltage (VDC)
Operating Temperature (°C)	-40 to +80	-40 to +80	-40 to +80	0 to +70	-40 to +60	-40 to +80	-50 to +100		-40 to +85	-40 to +80	-50 to +100	-40 to +80	-40 to +60	-40 to +60	-40 to +70	-40 to +100	Operating Temperature (°C)
Enclosure Rating	IP67	IP67	IP67	NEMA4X/IP56	IP64 / IP67	IP67	IP67		IP67	IP67	IP67	IP64/IP66	IP66/IP67	IP64/IP67	IP67	IP67	Enclosure Rating
Shock / Vibration	50g / 20g	50g / 20g	400g / 20g	50g / 2g	100g / 10g	50g / 20g	50g / 20g		400g / 20g	400g / 20g	50g / 20g	100g / 10g	200g / 30g	100g / 10g	100g / 10g	100g / 10g	Shock / Vibration
Certifications	CE, RoHS, CSA, ATEX	CE, RoHS, CSA, ATEX	CE, RoHS, CSA, ATEX	CE, RoHS, UL	CE, ATEX, IECEx	CE, RoHS, CSA, ATEX	CE, RoHS, CSA, ATEX, IECEx		CE, RoHS, UL	CE, RoHS, CSA, ATEX	CE, RoHS, CSA, ATEX, IECEx	CE, RoHS, UL	CE, RoHS, ATEX	CE, RoHS, ATEX, IECEx, AEx	CE, RoHS, ATEX, IECEx	CE, RoHS, UL	Certifications
Special Features	Ideal for Corrosive Environments with Stringent Wash-down Requirements	Ideal for Corrosive Environments with Stringent Wash-down Requirements	Draw Works Threaded Shaft with Field Replaceable Adapters	NEC Class 1&2, Div 1&2, Groups C, D, E, F, G	Explosion Proof Design for Hazardous Applications	Field Replaceable Shaft Isolators	Triple Certified Encoder for Hazardous Locations		Class 1 Div 2 Groups A,B,C,D Class 2 Div 2 Groups F,G	Dual Isolated Outputs	Encapsulated Electronics with Increased Safety Interface for Zone 1 Use	Class 1 Division 2 Groups A,B,C,D	Extreme Robust Explosionproof Absolute Multiturn	Pressure-Resistant Housing for Explosive Environments	Extreme corrosion resistance: high grade stainless steel housing	Chemical / Seawater Resistant programmable encoder	Special Features




MAGNÉTICO - INCREMENTAL

							
Product	Slim Tach® NEXGEN ST56	Slim Tach® NEXGEN ST67	Slim Tach® NEXGEN ST85		Slim Tach® ST1250	Slim Tach® HT55	Rim Tach® HT85
Mounting Type	Bearingless	Bearingless	Bearingless		Bearingless	Hollow Shaft	Hollow Shaft
Shaft/Bore Sizes	5/8" - 2 7/8" or 16mm - 80mm	5/8" - 2 7/8" or 16mm - 80mm	5/8" - 2 7/8" or 16mm - 80mm		5/8" - 2 7/8"	1/2" - 2 7/8"	5/8" - 4 1/2"
Available Resolutions (PPR)	64 - 2048	64 - 2048	64 - 2048		64 - 2048	256 - 4096	60 - 2400
Input Voltage (VDC)	5-26	5-26	5-26		5-26	5-26	5-26
Operating Temperature (°C)	-40 to +100 Extended -40 to +120	-40 to +100 Extended -40 to +120	-40 to +100 Extended -40 to +120		-40 to +100 Extended -40 to +120	-40 to +85	-20 to +70
Enclosure Rating	NEMA 4 & 12, IP65	NEMA 4 & 12, IP65	NEMA 4 & 12, IP65		NEMA 4 & 12, IP65	NEMA 4 & 12, IP65	NEMA 4 & 12, IP65
Shock /Vibration	300g / 20g	300g / 20g	30g / 18g		300g / 20g	100g / 20g	30g / 18g
Certifications	CE, RoHS	CE, RoHS	CE, RoHS		CE, RoHS	CE, RoHS	CE, RoHS
Special Features	Mounts to 56 and 140 C-Face Motors; Replaceable Wheels	Mounts to Reliance 6.75 Recess, 56 and 140 C-Face Motors; Replaceable Wheels	Mounts to 180 C-Face Motors; Replaceable Wheels		Mounts to 250-C Face Motors; Requires only 1.1" of Motor Shaft	Encapsulated Electronics Resist Moisture and Contamination	Hollow Shaft Design Mounts Easily to Large Motor Shafts

MAGNÉTICO - INCREMENTAL

MAGNÉTICO - ABSOLUTOS

		Product
Product	AR62/63	Product
Mounting Type	Shafted	Mounting Type
Shaft/Bore Sizes	3/8", 10 mm	Shaft/Bore Sizes
Available Resolutions (Bits)	12 Bit Single-Turn, 12, 13 and 16 Bit Multi-Turn	Available Resolutions (Bits)
Input Voltage (VDC)	10-30	Input Voltage (VDC)
Operating Temperature (°C)	-40 to +100	Operating Temperature (°C)
Enclosure Rating	IP67/ IP69k	Enclosure Rating
Shock /Vibration	200g / 20g	Shock /Vibration
Certifications	CE, RoHS	Certifications
Special Features	SSI, CAN-Open and Analog Outputs Available	Special Features

MAGNÉTICO - INCREMENTAL

												Product
Product	Rim Tach® NEXGEN 6200	Rim Tach® 6200	Rim Tach® NEXGEN 1250	Rim Tach® 1250	Rim Tach® NEXGEN 8500		Rim Tach® 8500	HDP18	HDP30	HDN58	R45 Rotopulser®	Product
Mounting Type	Shafted	Shafted	Bearingless	Bearingless	Bearingless		Bearingless	Bearingless	Bearingless	Bearingless	Bearingless	Mounting Type
Shaft/Bore Sizes	5/8"	5/8"	5/8" - 2 7/8" or 16mm - 80mm	5/8" - 2 7/8"	5/8" - 2 7/8" or 16mm - 80mm		5/8" - 2 7/8"	1/2" to 1 1/2"	1/2" to 1 1/2"	1/2" to 1 1/2"	5/8" or 7/8"	Shaft/Bore Sizes
Available Resolutions (PPR)	60 - 2400	60 - 1200	60 - 2400	60 - 1200	60 - 2400		60 - 1200	64	8 - 512	8 - 512	60	Available Resolutions (PPR)
Input Voltage (VDC)	5-26	5-26	5-26	5-26	5-26		5-26	6-30	6-30	6-30	5-26	Input Voltage (VDC)
Operating Temperature (°C)	-40 to +100	-40 to +70	-40 to +100	-40 to +80	-40 to +100		-40 to +90 Extended -40 to +100	-25 to +80	-25 to +80	-25 to +70	-40 to +85	Operating Temperature (°C)
Enclosure Rating	NEMA 4 & 12, IP65	NEMA 4 & 12, IP65	NEMA 4 & 12, IP65	NEMA 4 & 12, IP65	NEMA 4 & 12, IP65		NEMA 4 & 12, IP65	IP68	IP68	Connector Dependent IP65, IP67 or IP68	N/A	Enclosure Rating
Shock /Vibration	30g / 18g	30g / 18g	200g / 18g	30g / 18g	200g / 18g		30g / 18g	N/A	N/A	50g / 10g	20g / 2.5g	Shock /Vibration
Certifications	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS		CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	Certifications
Special Features	Delivers a 70 Thousandths Air Gap; Replaceable Sensors	Foot-Mount or 56-C Face Mount	Circuitry for On-Board Diagnostics with LED and Alarm; Replaceable Wheels and Sensors	Mounts to 250-C Face Motors (12.5 Diameter Mounting Flange)	Circuitry for On-Board Diagnostics with LED and Alarm; Replaceable Wheels and Sensors		Mounts to 180-C Face Motors:	Incremental & Absolute Output's Available; Completely Sealed & Encapsulated Electronics	Incremental & Absolute Output's Available; CAN SAE J1939 Communication Protocol	Incremental & Absolute Output's Available; Wide Sensing Envelope is Tolerant to Misalignment	56C-Face Mounting	Special Features

MAGNÉTICO - INCREMENTAL

RIM SS2 SIGNAL SPLITTER



El divisor de señal NorthStar enruta un codificador señal a múltiples ubicaciones aisladas.

RIM SSW SIGNAL SWITCHER



El conmutador de señal NorthStar permite uso de un variador con dos codificadores separados.

RIM 100 ENCODER TESTER



El comprobador de codificadores de la marca NorthStar es un instrumento utilizado para evaluar la presencia de señal y calidad producida por cualquier fabricante digital codificador.

CPL FLEXIBLE SHAFT COUPLINGS



Los acoplamientos de la serie CPL proporcionan el máximo protección mecánica, térmica y eléctrica para Conexiones del eje del codificador.

RIM Tach RIM TACH WHEEL & SENSOR UPGRADE KIT



Kit de actualización de rueda y sensor NexGen para Legacy RIM Tach 8500 y RIM Tach 1250 Modelos

CABLE ASSEMBLIES



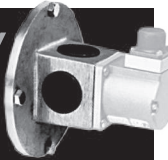
La marca NorthStar ofrece protección cable con conector MS o M12 y abrazaderas de cable en un extremo y cables estañados en el otro extremo.

MATING CONNECTORS



Dynapar ofrece una amplia variedad de estilos de conectores para usar con diferentes estilos codificadores.

NEMA & 5PY ADAPTERS



Dynapar ofrece NEMA C-face, 5PY y personalizados adaptadores para permitirle montar una variedad de bridas codificadores montados a 4-1 / 2 "NEMA y DC bridas.

GROUNDING BRUSH KITS



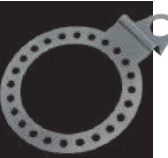
Proporcionar una baja resistencia y contacto eléctrico. al eje del motor para reducir o eliminar inducidos corrientes de eje en motores AC y DC.

BRACKETS



Dynapar ofrece una amplia variedad de resistentes, estables, soportes de montaje mecanizados de precisión para codificadores Dynapar populares seguros para el acoplamiento al eje de una máquina.

TETHER & COVER KITS



Hay una variedad de kits de sujeción disponibles para NEMA C-Face y otros motores de CA, incluido uno correas de punto, correas ranuradas y correas de varilla. Dynapar también ofrece kits de cubiertas y cubiertas de cestas que encajan sobre la cara del motor.

MEASURING WHEELS



Dynapar ofrece una amplia gama de mecanizados con precisión. Ruedas de circunferencia de 12 "que incluyen caucho, fenólico y superficies de juntas tóricas para proporcionar la máxima precisión sobre un amplio rango de temperatura para una variedad de transportadores o aplicaciones de medición de la velocidad del material.



Contáctenos

BOGOTA D.C

PBX (1) 371 2999 - CEL. 310 816 1739
Carrera 27 # 13 - 95

BARRANQUILLA

PBX (5) 316 1860 - CEL. 310 563 4603
Calle 45 # 50 B - 08 locales 3 y 4

CARTAGENA

PBX (5) 372 3705 - CEL. 310 575 4526
Diagonal 30 # 54 - 206 local 5 CC

mamonal plaza

CALI
PBX (2) 369 0680 - CEL. 310 563 4613
310 816 1739

MEDELLIN

PBX (4) 204 2310 - CEL. 320 856 6927
Carrera 1 # 39 - 55