



# ERGO Elite Series

## Torque Reaction Arms



*The ERGO Elite Series of torque reaction arms combine lightweight aluminum with a robust mechanical design to bring next level comfort and functionality to the workstation.*

The dual true balancer design & high-quality bearings allow the arm to glide effortlessly through the entire stroke.

**HIGH QUALITY  
MATERIALS BUILT  
TO LAST!**



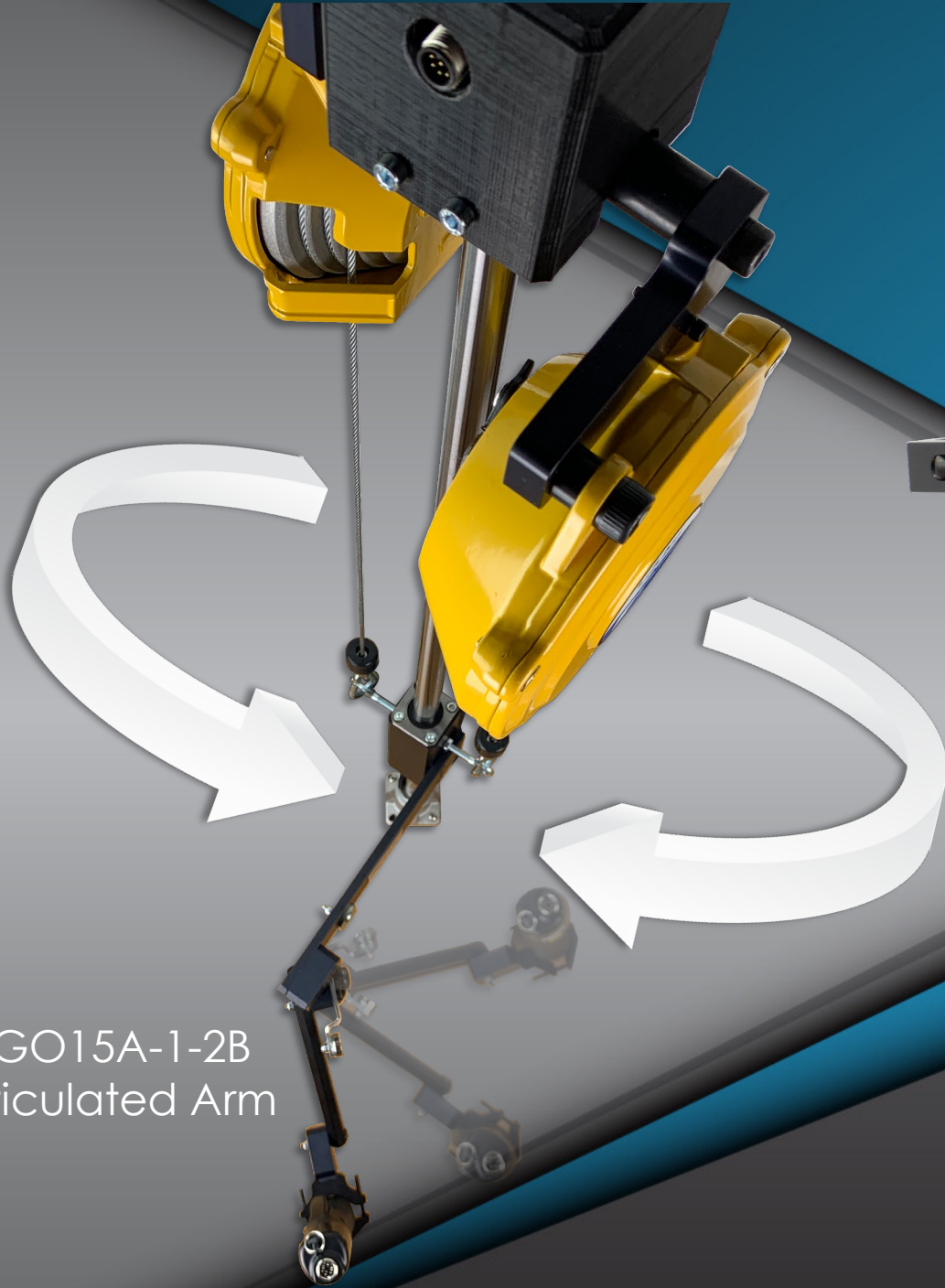
ERGO15A-1-2B  
Articulated Arm



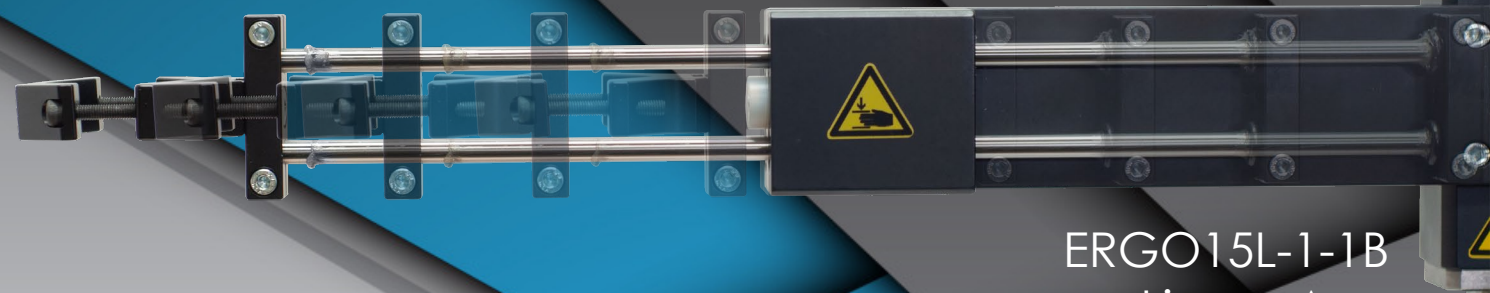
ERGO15L-1-1B  
Linear Arm



# EFFORTLESS MOTION



ERGO15A-1-2B  
Articulated Arm



ERGO15L-1-1B  
Linear Arm

*Provides a smooth range of motion as the arm absorbs torque reactions from multiple tool types ie. electric & air screwdrivers, tapping tools, angle nut runners, pistol grip tools, grinders and drills.*

The image shows a Delta Regis ERGO15A-1-2B Articulated Arm. It is a black, multi-jointed mechanical arm with a central vertical post and a horizontal base. The arm is shown in a partially extended position, with a tool holder at the end. The background is a dark blue and black geometric pattern. The text 'ERGO15A-1-2B Articulated Arm' is positioned above the arm. A blue circular callout on the left contains text about the tool arm's adjustability. A blue rounded rectangle on the right contains text about the arm's pivoting capability. The words 'EXCELLENT CUSTOMIZABILITY' are written in large white letters at the bottom right.

ERGO15A-1-2B  
Articulated Arm

Tool arm can be easily fixed at 0°, 22.5° or 45° based on application requirements

With the ability to pivot freely, the articulated arm allows you to make full use of the work area and can be positioned at a variety of angles to suit many different applications

EXCELLENT  
CUSTOMIZABILITY

The parallel design of the ERGO Elite Series arms ensures the output shaft of the tool is always perpendicular to the workpiece.

The universal tool holder accommodate a wide variety of devices and can be fixed horizontally or vertically.

Maximum Tool Diameter	
ERGO15A	45mm (1.8")
ERGO50A	60mm (2.4")
ERGO15L	45mm (1.8")
ERGO50L	60mm (2.4")



ERGO15A-1-2B  
Articulated Arm

ACCURACY &  
VERSATILITY

# POSITX-3D

TORQUE ARM POSITIONING CONTROLLER

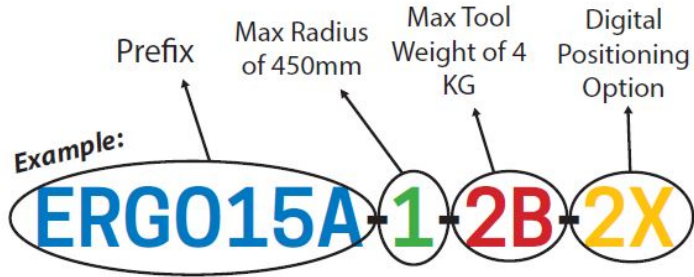
All ERGO Elite Series torque reaction arms can be outfitted with your choice of 2 axis or 3 axis positioning encoders and paired with our POSITX-3D Torque Arm Positioning System for an added level of error proofing in your assemblies

## POSITIONING SYSTEM CAPABLE



# Articulated Arms

Part numbers are derived from adding appropriate descriptors (Max Radius/Tool Weight) to the part number prefix.

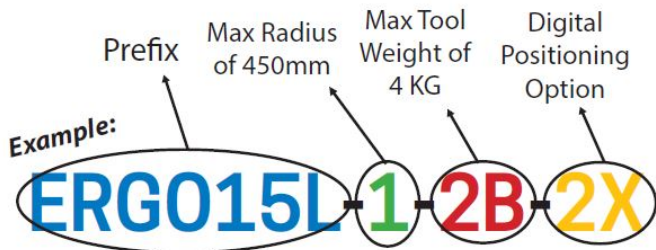


\*\* Special orders available for higher torque applications. Please contact us for more information & pricing.\*\*

Part Number Matrix				
Prefix	+	Max Arm Radius	+	Max Tool Weight
ERGO15A Max Torque 15NM (132.8 in-lbs)		1 = 450 mm (17.7")		1B = 0 - 2.5 kg (0 - 5.5 lbs)
		2 = 600 mm (23.6")		2B = 2.5 - 4 kg (5.5 - 8.8 lbs)
ERGO50A Max Torque 50NM (442.5 in-lbs)		1 = 600 mm (23.6")		1B = 0 - 2.5 kg (0 - 5.5 lbs)
		2 = 800 mm (31.5")		2B = 2.5 - 4 kg (5.5 - 8.8 lbs)
Digital Positioning Arms for POSITX-3D				
2 Axis System (X,Y)		Add suffix -2X to end of part number (ie. ERGO15A-**-2X)		
3 Axis System (X,Y,Z)		Add suffix -3X to end of part number (ie. ERGO15A-**-3X)		

# Linear Arms

Part numbers are derived from adding appropriate descriptors (Max Radius/Tool Weight) to the part number prefix.



\*\* Special orders available for higher torque applications. Please contact us for more information & pricing.\*\*

Part Number Matrix				
Prefix	+	Min/Max Arm Radius	+	Max Tool Weight
ERGO15L Max Torque 15NM (132.8 in-lbs)		1 = 306 mm - 453 mm (12.0" - 17.8")		1B = 0 - 2.5 kg (0 - 5.5 lbs)
		2 = 383 mm-611 mm (15" - 24.0")		2B = 2.5 - 4 kg (5.5 - 8.8 lbs)
ERGO50L Max Torque 50NM (442.5 in-lbs)		1 = 415 mm - 640 mm (16.3" - 25.2")		1B = 0 - 2.5 kg (0 - 5.5 lbs)
		2 = 515 mm - 840 mm (20.3" - 33.0")		2B = 2.5 - 4 kg (5.5 - 8.8 lbs)
Digital Positioning Arms for POSITX-3D				
2 Axis System (X,Y)		Use code -2X after part prefix (ie. ERGO15L-**-2X)		
3 Axis System (X,Y,Z)		Use code -3X after part prefix (ie. ERGO15L-**-3X)		



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