

Enclosed Dual Arm

01/28/2025



info@cesehsa.com.mx

cesehsa.com.mx



Enclosed Dual Arm

01/28/2025

This catalog is a custom document and the products included is based on your unique selection from portions of complete catalogs that already exist. Please refer to our full catalogs for more information on products not included in this customized document.

Table of Contents

Enclosed Dual Arm

PC-PPC-75

Table of Contents (continued)

870-2, 871-2

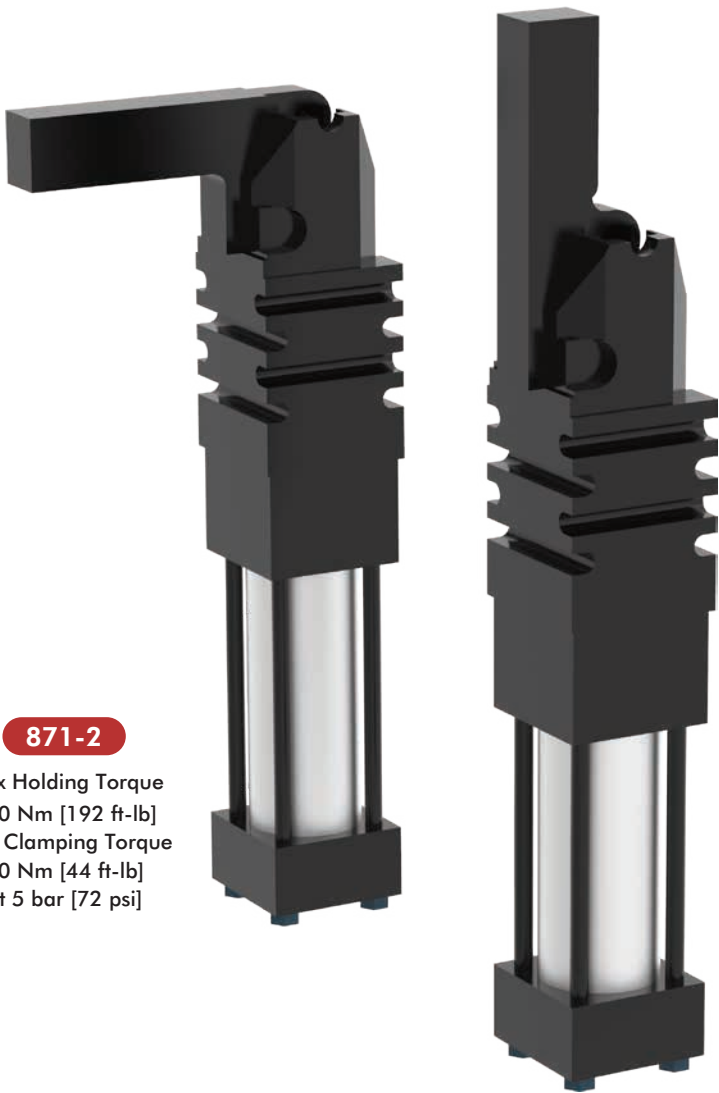
Pneumatic Power Clamps | Ordering Information

870-2

Base Model	Description
870-2	38,1 mm [1.5 in.] Cylinder with Vertical Clamp Arm
871-2	38,1 mm [1.5 in.] Cylinder with Horizontal Clamp Arm

Sensors	Description (order separately)
BIM-IKE-AP	Magnetic Sensor, 2 pieces required
810151	Magnetic Sensor, 2 pieces required
810153	Magnetic Sensor, 2 pieces required
810155	Magnetic Sensor, 2 pieces required
810157	Magnetic Sensor, 2 pieces required

See page 72 for sensor specifications.

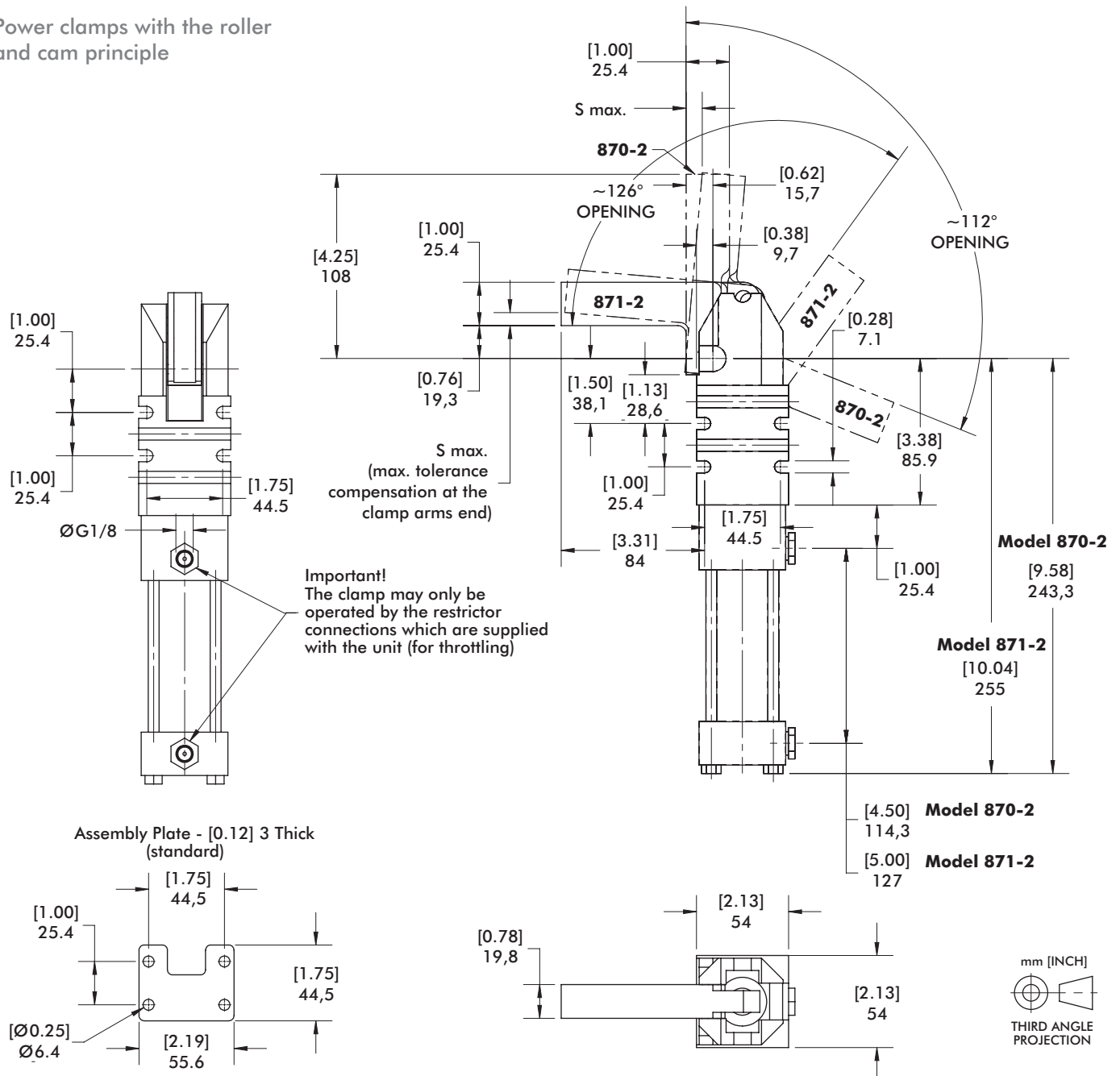


871-2
Max Holding Torque
260 Nm [192 ft-lb]
Max Clamping Torque
60 Nm [44 ft-lb]
at 5 bar [72 psi]

870-2
Max Holding Torque
260 Nm [192 ft-lb]
Max Clamping Torque
60 Nm [44 ft-lb]
at 5 bar [72 psi]

Pneumatic Power Clamps | Dimensions and Technical Specifications

Power clamps with the roller and cam principle



Model	Connection	S Max. Max. Tolerance Compensation at the Clamp Arms End [ft lb] Nm	Max. Operating Pressure [psi] bar	Cylinder Ø [in.] mm	Opening Angle	Weight [lbs] kg	Air Consumption per double stroke at 5 bar dm ³ [ft ³]
870-2	G 1/8	[3] 4,5	[145] 10	[1.50] 38,1	112°	[6.60] 3	0,95 [0.03]
871-2		[3] 3,5			118°		

Sensor Options	Mount Style	Connector	Length	Function	Voltage	Max. Switching Current	Voltage Drop
BIM-IKE-AP	Tie Rod	No connector cord	2m [6.6 ft.]	PNP	10-30V DC	200mA	2.3V
810151			2.7m [9ft.]	Reed	5-120V AC/DC	500mA	3.5V
810153				Reed	24-240V AC	4A	1.0V
810155				PNP	6-24V DC	500mA	1.0V
810157				NPN	6-24V DC	500mA	1.0V

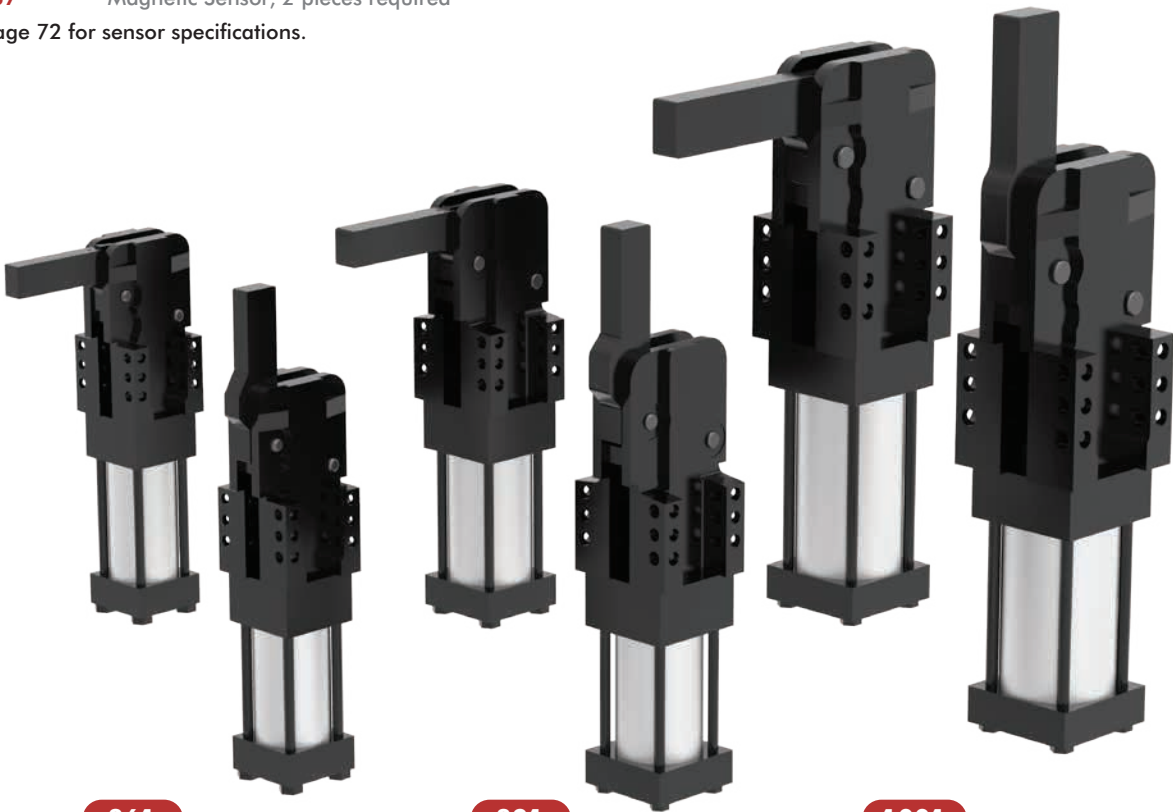
860, 861, 890, 891, 1000, 1001

Pneumatic Power Clamps | Ordering Information

860

Base Model	Description	Seal Kit	Description (order separately)
860	50,8 mm [2 in.] Cylinder with Vertical Clamp Arm	8610100	Seal Kit for Model 860, 861
861	50,8 mm [2 in.] Cylinder with Horizontal Clamp Arm	8910100	Seal Kit for Model 890, 891
890	63,5 mm [2.5 in.] Cylinder with Vertical Clamp Arm	10010100	Seal Kit for Model 1000, 1001
891	63,5 mm [2.5 in.] Cylinder with Horizontal Clamp Arm		
1000	82,5 mm [3.25 in.] Cylinder with Vertical Clamp Arm		
1001	82,5 mm [3.25 in.] Cylinder with Horizontal Clamp Arm		
Sensors	Description (order separately)		
BIM-IKE-AP	Magnetic Sensor, 2 pieces required		
810151	Magnetic Sensor, 2 pieces required		
810153	Magnetic Sensor, 2 pieces required		
810155	Magnetic Sensor, 2 pieces required		
810157	Magnetic Sensor, 2 pieces required		

See page 72 for sensor specifications.



861

Max Holding Torque
1017 Nm [750 ft-lb]
Max Clamping Torque
256 Nm [180 ft-lb]
at 5 bar [72 psi]

891

Max Holding Torque
1695 Nm [1250 ft-lb]
Max Clamping Torque
553 Nm [408 ft-lb]
at 5 bar [72 psi]

1001

Max Holding Torque
3390 Nm [2500 ft-lb]
Max Clamping Torque
1229 Nm [906 ft-lb]
at 5 bar [72 psi]

860

Max Holding Torque
1017 Nm [750 ft-lb]
Max Clamping Torque
256 Nm [180 ft-lb]
at 5 bar [72 psi]

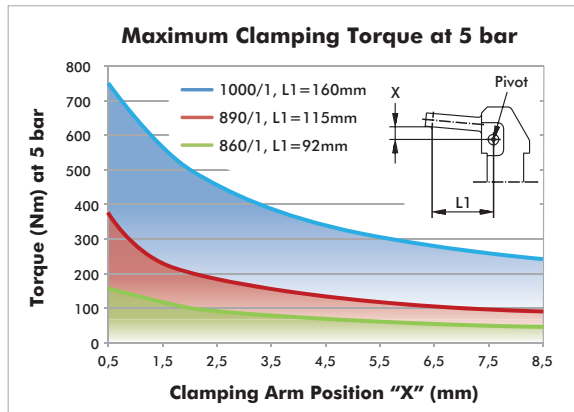
890

Max Holding Torque
1695 Nm [1250 ft-lb]
Max Clamping Torque
553 Nm [408 ft-lb]
at 5 bar [72 psi]

1000

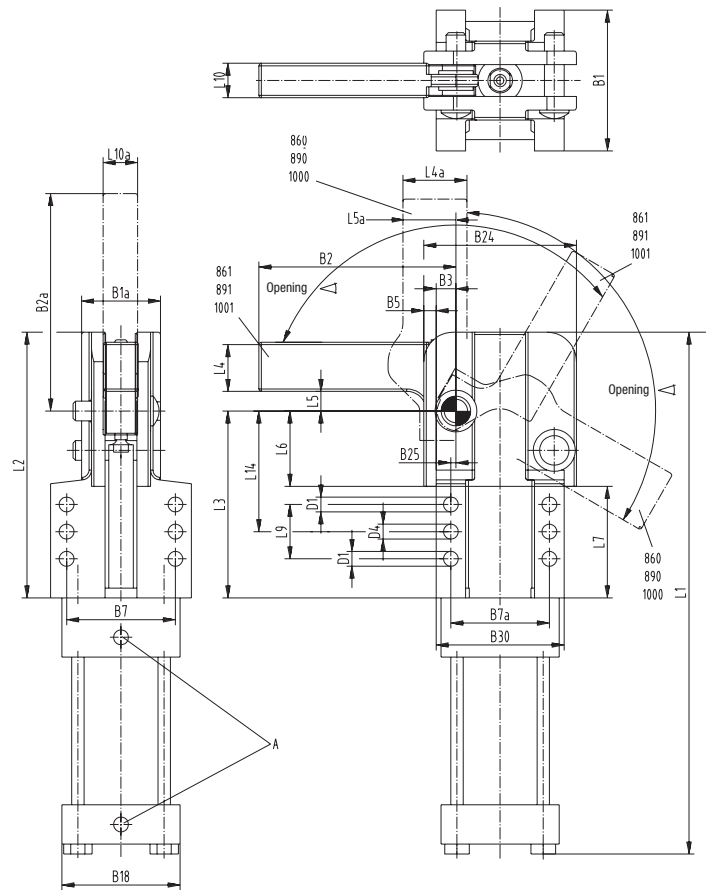
Max Holding Torque
3390 Nm [2500 ft-lb]
Max Clamping Torque
1229 Nm [906 ft-lb]
at 5 bar [72 psi]

Pneumatic Power Clamps | Dimensions and Technical Specifications



Model	Cylinder Ø mm [in]	Opening Angle	Weight kg [lbs]
860	[2.00]	96°	[8.58]
861	50,8	119°	3,9
890	[2.50]	96°	[16.06]
891	63,5	119°	7,3
1000	[3.25]	96°	[29.70]
1001	82,5	119°	13,5

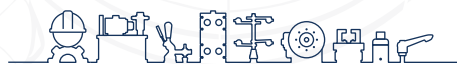
Power by compressed air, max. 6 bar
Operation with oil-free air is permissible.



Information vor machining of clamp arm: Steel 1.0726

Model	A	B1	B1A	B2	B2A	B3	B5	B7	B7A	B18	B24	B25	B30
860	G1/8	[2.94] 74,7	[1.75] 44,5	–	[5.44] 138,2	[0.41] 10,4	[0.25] 6,4	[2.31] 58,7	[2.19] 55,6	[2.5] 63,5	[3.31] 84,1	[0.09] 2,3	[2.81] 71,4
861				[4] 101,6	–								
890	G1/8	[3.56] 90,4	[2] 50,8	–	[6.57] 166,9	[0.5] 12,7	[0.31] 7,9	[2.76] 70,1	[2.5] 63,5	[3] 76,2	[3.87] 98,3	[0.13] 3,3	[3.25] 82,6
891				5.06 128,5	–								
1000	G1/8	[4.5] 114,3	[2.62] 66,5	–	[9] 228,6	[0.63] 16	[0.44] 11,2	[3.5] 88,9	[3.5] 88,9	[3.75] 95,3	[5.38] 136,7	[0.13] 3,3	[4.5] 114,3
1001				7 177,8	–								

Model	ØD1	ØD4	L1	L2	L3	L4	L4A	L5	L5α	L6	L7	L9	L10	L10α	L14
860	[0.34] 8,6	[0.31] 7,9	[12.44] 316	[5.75] 146,1	[4.06] 103,1	–	[1.12] 28,4	--	[0.69] 17,4	[1.44] 36,6	[2.5] 63,5	[1.25] 31,8	[0.62] 15,7	[0.62] 15,7	[2.5] 63,5
861						[1.13] 28,7	–	[0.4] 10,2	--						
890	[0.41] 10,4	[0.38] 9,7	[13.37] 339,6	[6.75] 171,5	[4.75] 120,7	–	[1.25] 31,8	–	[0.84] 21,4	[1.75] 44,5	[2.65] 67,3	[1.38] 35,1	[0.81] 20,6	[0.81] 20,6	[3.06] 77,7
891						[1.25] 31,8	–	[0.5] 12,7	--						
1000	[0.53] 13,5	[0.5] 12,7	[17.51] 444,8	[9.25] 235	[6.25] 158,8	–	[1.75] 44,5	–	[1.37] 34,8	[2.25] 57,2	[3.96] 100,6	[2] 50,8	[1] 25,4	[1] 25,4	[3.75] 95,3
1001						[1.75] 44,5	–	[0.88] 22,4	--						



inf @ /CESEHSA.com.mx

