

## Series 84A2-1 Product Overview

### Features:

- small size, low weight
- fast opening and closing action
- high clamping force
- long life cycle
- roller and cam principle, self-locking at end stop position
- add-on component and end position sensing available
- Cylinder diameter 25
- Air consumption per double stroke: 0,3 dm<sup>3</sup>
- Air connectors M5

### Application:

Gripping, holding, placing, removing and transporting of metal sheets and other parts, mainly in jigs, transfer presses and handling systems.

### Key areas of application:

Automotive manufacturing, sheet processing industry, jig and general mechanical engineering.

Picture	Model	Clamping Force at 5 bar N [lbs]	Opening Angle	Weight Kg [lbs]	Opening/closure time min sec.
	84A2-110000000	580 [130]	72° upper	0,6 [1.32]	0,2
	84A2X110000000		30° upper		
	84A2Y110000000		45° upper		
	84A2-120000000	360 [81]	72° upper	0,65 [1.43]	0,2
	84A2X120000000		30° upper		
	84A2Y120000000		45° upper		
	84A2-130000000	270 [61]	72° upper + lower	0,6 [1.32]	0,2
	84A2X130000000		30° upper + lower		
	84A2Y130000000		45° upper + lower		
	84A2R130000000	270 [61]	72° upper, 15° lower	0,6 [1.32]	0,2
	84A2T130000000		45° upper, 15° lower		
	84A2-140000000	580 [130]	72° upper	0,5 [0.11]	0,2
	84A2X140000000		30° upper		
	84A2Y140000000		45° upper		
	84A2-160000000	580 [130]	72° upper	0,5 [0.11]	0,2
	84A2X160000000		30° upper		
	84A2Y160000000		45° upper		
	84A2-170000000	580 [130]	72° upper	0,6 [1.32]	0,2
	84A2X170000000		30° upper		
	84A2Y170000000		45° upper		
	84A2-180000000	340 [76]	72° upper	0,65 [1.43]	0,2
	84A2X180000000		30° upper		
	84A2Y180000000		45° upper		
	84A2-190000000	400 [90]	45° upper	0,65 [1.43]	0,2
	84A2X190000000		30° upper		

\* The values of gripping forces include a safety factor 20%