

FSTA-HD





技術資料 Technical data

● 介紹及應用 Introduction and application

帶有雙位上下緩衝彈簧，搬運被吸取平面存在高度差異的工件(如曲面金屬薄板)
搬運對壓力敏感的工件(如玻璃)，確保柔性接觸
適合在惡劣的工作條件下使用 適用於工作週期短暫、搬運速度快的場合

Equipped with two-position up and down buffer springs to handle workpieces with different heights in the sucked plane (such as curved metal sheet).
Handle pressure-sensitive workpieces (such as glass) to ensure flexible contact
Suitable for use under harsh working conditions.
Suitable for occasions with short working cycles and fast handling speed.

● 訂購代號 How to code

FSTA-HD	G 1/4	EH	25	M20
產品代號 Product code	連接牙口 Connect the mouth	螺紋總類 Thread type	緩衝距離 Buffer distance	固定螺母 Fixing nut
	G 1/4 二分 G 3/8 三分 G 1/2 四分	 外螺紋 EH	25 25mm 50 50mm 90 90mm	M20 M30

● 標準尺寸資料 Standard size data

FSTA-HD-G1/4-EH-25(M20)
FSTA-HD-G1/4-EH-AR-25(M20)
FSTA-HD-G1/4-EH-50(M20)
FSTA-HD-G1/4-EH-AR-50(M20)
FSTA-HD-G3/8-EH-25(M30)
FSTA-HD-G3/8-EH-AR-25(M30)
FSTA-HD-G3/8-EH-50(M30)
FSTA-HD-G3/8-EH-AR-50(M30)

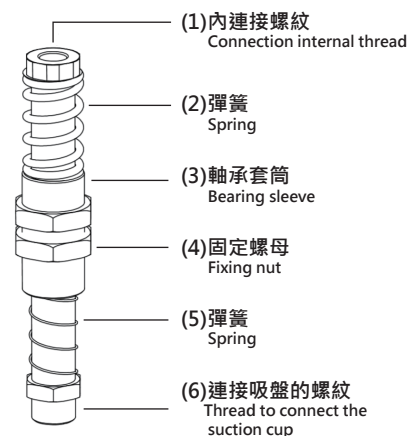
FSTA-HD-G3/8-EH-90(M30)
FSTA-HD-G3/8-EH-AR-90(M30)
FSTA-HD-G1/2-EH-25(M30)
FSTA-HD-G1/2-EH-AR-25(M30)
FSTA-HD-G1/2-EH-50(M30)
FSTA-HD-G1/2-EH-AR-50(M30)
FSTA-HD-G1/2-EH-90(M30)
FSTA-HD-G1/2-EH-AR-90(M30)

● 結構 Structure

彈簧緩衝支桿由高強度不銹鋼桿、黃銅軸承套筒(3)、下位緩衝彈簧(5)和上位緩衝彈簧(2)組成，支桿上端的真空通道帶有內螺紋連接(1) 連接吸盤的螺紋皆為外螺紋(6)；具有防旋轉功能的型號，其不銹鋼桿與軸承套筒採用匹配式的平面結構

適合在惡劣的工作條件下使用，適用於工作週期短暫、搬運速度快的場合，兩個鎖緊螺母(4)用於加固

The spring buffer rod is composed of a high-strength stainless steel rod, a brass bearing sleeve (3), a lower buffer spring (5) and an upper buffer spring (2).
The vacuum channel at the upper end of the rod has an internal thread connection (1)
The threads connected to the suction cup are all external threads (6); models with anti-rotation function, the stainless steel rod and bearing sleeve adopt a matching flat structure
Suitable for use under harsh working conditions, suitable for occasions with short working cycles and fast handling speed, two lock nuts (4) are used for reinforcement.

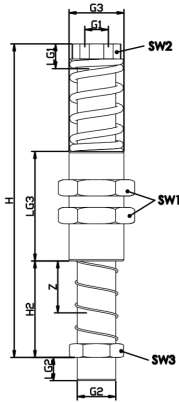


● 技術參數 Technical parameter

型號 type	彈簧負荷率 Spring load rate 【N/mm】	彈簧預應力 Spring prestress 【N】	彈力 Elastic force 【N】	垂直負載 Vertical load 【N】	水平負載 Horizontal load 【N】	自重 Weight 【g】	工作溫度 Operating temperature 【°C】
FSTA-HD-G1/4-EH-25(M20)	0.711	8.95	17.8	2400	800	185	0...80
FSTA-HD-G1/4-EH-AR-25(M20)	0.711	8.95	17.8	2400	800	185	0...80
FSTA-HD-G1/4-EH-50(M20)	0.262	14.10	20.6	2400	490	210	0...80
FSTA-HD-G1/4-EH-AR-50(M20)	0.262	14.10	20.6	2400	490	210	0...80
FSTA-HD-G3/8-EH-25(M30)	3.828	25.65	73.5	4800	1870	495	0...80
FSTA-HD-G3/8-EH-AR-25(M30)	3.828	25.65	73.5	4800	1870	495	0...80
FSTA-HD-G3/8-EH-50(M30)	1.810	3.95	49.2	4800	1200	540	0...80
FSTA-HD-G3/8-EH-AR-50(M30)	1.810	3.95	49.2	4800	1200	540	0...80
FSTA-HD-G3/8-EH-90(M30)	1.072	24.38	75.3	4800	730	645	0...80
FSTA-HD-G3/8-EH-AR-90(M30)	1.072	24.38	75.3	4800	730	645	0...80
FSTA-HD-G1/2-EH-25(M30)	3.828	25.65	73.5	4900	1870	493	0...80
FSTA-HD-G1/2-EH-AR-25(M30)	3.828	25.65	73.5	4900	1870	495	0...80
FSTA-HD-G1/2-EH-50(M30)	1.810	3.95	49.2	4900	1200	539	0...80
FSTA-HD-G1/2-EH-AR-50(M30)	1.810	3.95	49.5	4900	1200	540	0...80
FSTA-HD-G1/2-EH-90(M30)	1.072	24.38	75.3	4900	730	645	0...80
FSTA-HD-G1/2-EH-AR-90(M30)	1.072	24.38	75.3	4900	730	645	0...80

● 外觀尺寸圖 Dimensions

FSTA-HD G1/4 至 G1/2



型號Type	尺寸 Size [mm]											Z(行程)
	G1	G2	G3	H	H2	LG1	LG2	LG3	SW1	SW2	SW3	
FSTA-HD-G1/4-EH-25(M20)	G1/8"-F	G1/4"-M	M20x1.5-M	114.5	37.0	12	8.5	40	24	17	17	25
FSTA-HD-G1/4-EH-AR-25(M20)	G1/8"-F	G1/4"-M	M20x1.5-M	114.5	37.0	12	8.5	40	24	17	17	25
FSTA-HD-G1/4-EH-50(M20)	G1/8"-F	G1/4"-M	M20x1.5-M	144.0	66.5	12	8.5	40	24	17	17	50
FSTA-HD-G1/4-EH-AR-50(M20)	G1/8"-F	G1/4"-M	M20x1.5-M	144.0	66.5	12	8.5	40	24	17	17	50
FSTA-HD-G3/8-EH-25(M30)	G3/8"-F	G3/8"-M	M30x1.5-M	146.5	49.5	12	10.5	53	36	24	24	25
FSTA-HD-G3/8-EH-AR-25(M30)	G3/8"-F	G3/8"-M	M30x1.5-M	147.0	57.0	12	10.5	53	36	24	24	25
FSTA-HD-G3/8-EH-50(M30)	G3/8"-F	G3/8"-M	M30x1.5-M	176.5	79.5	12	10.5	53	36	24	24	50
FSTA-HD-G3/8-EH-AR-50(M30)	G3/8"-F	G3/8"-M	M30x1.5-M	177.0	87.0	12	10.5	53	36	24	24	50
FSTA-HD-G3/8-EH-90(M30)	G3/8"-F	G3/8"-M	M30x1.5-M	229.5	132.5	12	10.5	53	36	24	24	90
FSTA-HD-G3/8-EH-AR-90(M30)	G3/8"-F	G3/8"-M	M30x1.5-M	230.0	140.0	12	10.5	53	36	24	24	90
FSTA-HD-G1/2-EH-25(M30)	G3/8"-F	G1/2"-M	M30x1.5-M	146.5	56.5	12	10.5	53	36	24	24	25
FSTA-HD-G1/2-EH-AR-25(M30)	G3/8"-F	G1/2"-M	M30x1.5-M	146.5	56.5	12	10.5	53	36	24	24	25
FSTA-HD-G1/2-EH-50(M30)	G3/8"-F	G1/2"-M	M30x1.5-M	176.5	86.5	12	10.5	53	36	24	24	50
FSTA-HD-G1/2-EH-AR-50(M30)	G3/8"-F	G1/2"-M	M30x1.5-M	176.5	86.5	12	10.5	53	36	24	24	50
FSTA-HD-G1/2-EH-90(M30)	G3/8"-F	G1/2"-M	M30x1.5-M	229.5	139.5	12	10.5	53	36	24	24	90
FSTA-HD-G1/2-EH-AR-90(M30)	G3/8"-F	G1/2"-M	M30x1.5-M	229.5	139.5	12	10.5	53	36	24	24	90