

F-160 SERIES

Variable Stroke Straight Line Action Clamps | Technical Information | Dimensions



Technical features:

- High holding capacity of [4040 lbf] 18000N lbs.
- High side load capacity
- Plunger guide
- Wiper ring avoiding contamination of clamping mechanism
- Block style base provides for variable mounting
- Low weight due to the aluminium housing
- 50 mm horizontal and vertical hole pattern

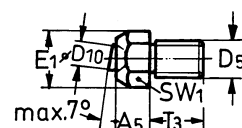
Accessories (order separately)

Plunger



| Part no. | For rapid stroke S | D _{n8} | D ₅ | D ₉ | L ~ | T ~ | Weight ~ [lbs.] kg |
|----------|--------------------|-----------------|----------------|----------------|-----|-----|--------------------|
| 16/100 | 100 | 16 | M8 | 35 | 280 | 15 | [0.90] 0,4 |
| 16/200 | 200 | 16 | M8 | 35 | 380 | 15 | [1.10] 0,5 |
| 16/300* | 300 | 16 | M8 | 35 | 480 | 15 | [1.54] 0,7 |

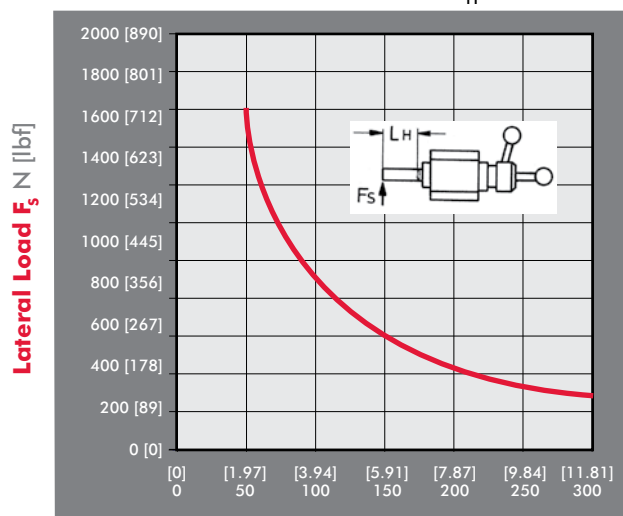
*400 and 500 mm strokes available on request



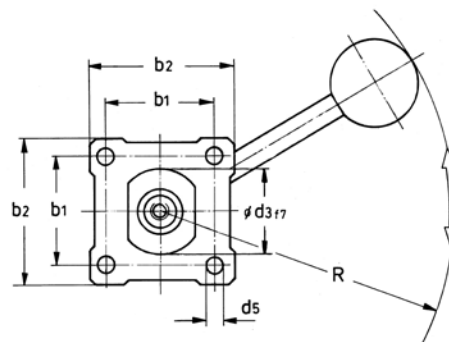
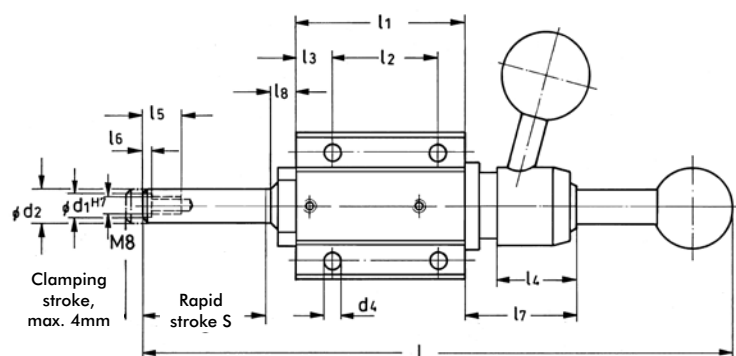
Swivel thrust pad

| Part no. | Use with plunger diameter | A ₅ | D ₅ | D ₁₀ | E ₁ | T ₃ | SW ₁ |
|----------|---------------------------|----------------|----------------|-----------------|----------------|----------------|-----------------|
| K-508 | 8 | 6 | M5 | 5 | 9,2 | 8 | 8 |
| K-612 | 12 | 8,5 | M6 | 6 | 12,5 | 10 | 11 |
| K-816 | 16 | 10 | M8 | 8 | 14,8 | 14 | 13 |
| K-1222 | 22 | 12 | M12 | 9,5 | 19,5 | 18 | 17 |

Allowable side load F_s depending on the stroke length L_H



Stroke Length L_H mm [in]



| Part no. without plunger | Max. holding cap. [lbs] N | F_s^* [lbs] N | b ₁ | b ₂ | ~L For rapid strokes: 100 200 300 | I1 | I2 | I3 | I4 | I5 | I6 | I7 | I8 | d ₁ ^{H7} | d ₂ ^{H8} | d ₃ | d ₄ | d ₅ | R | Weight ~ [lbs.] kg |
|--------------------------|---------------------------|-----------------|----------------|----------------|-----------------------------------|----|----|----|----|----|----|----|----|------------------------------|------------------------------|----------------|----------------|----------------|-----|--------------------|
| F-160 | [4040] 18000N | [1110] 500N | 50 | 68 | 250 350 451 | 80 | 50 | 18 | 35 | 20 | 2 | 50 | 12 | 10 | 16 | 40 | 8,3 | 8,5 | 165 | [3.30] 1,5 |

* F_s =exerting force at an operating force of [22lbf] 100N.