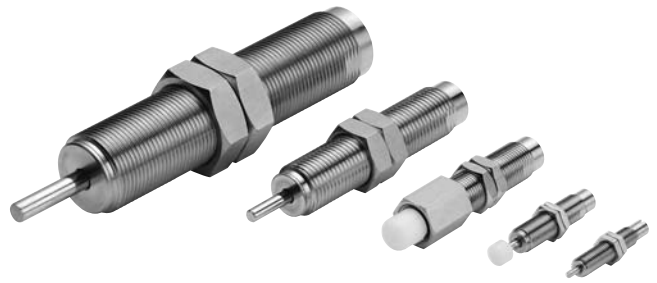


CLEAN ROOM SPECIFICATION
SHOCK ABSORBERS
 LINEAR ORIFICE TYPE

KSHC Series



Specifications

Item	Model	CS-KSHC4×4□-B	CS-KSHC4×4□-BD	CS-KSHC5×5□-D(-11)	CS-KSHC5×5□-DE(-11)
Mounting thread size		M6×0.75		M8×0.75(M8×1) ^{Note2}	
Maximum absorption	J [ft·lbf]	0.3 [0.22]	0.5 [0.37]	1.0 [0.74]	1.5 [1.11]
Absorbing stroke	mm [in.]	4 [0.16]		5 [0.20]	
Maximum impact speed	m/s [ft./sec.]	1.0 [3.28]			
Maximum operating frequency	cycle/min	60			
Maximum absorption per unit of time	J/min [ft·lbf/min.]	15 [11.1]		45 [33.2]	
Spring return force	N [lbf.]	3.0 [0.67]		6.0 [1.35]	
Angle variation		1° or less			
Operating temperature range ^{Note1}	°C [°F]	0~60 [32~140]			

Item	Model	CS-KSHC6×8□-DE	CS-KSHC6×8□-EF	CS-KSHC8×8□-EF	CS-KSHC8×8□-G
Mounting thread size		M10×1		M12×1	
Maximum absorption	J [ft·lbf]	1.5 [1.11]	2.5 [1.84]	2.5 [1.84]	4.0 [2.95]
Absorbing stroke	mm [in.]	8 [0.32]			
Maximum impact speed	m/s [ft./sec.]	1.0 [3.28]			
Maximum operating frequency	cycle/min	60			
Maximum absorption per unit of time	J/min [ft·lbf/min.]	75 [55.3]		120 [89]	
Spring return force	N [lbf.]	8.5 [1.91]			
Angle variation		1° or less			
Operating temperature range ^{Note1}	°C [°F]	0~60 [32~140]			

Item	Model	CS-KSHC9×10□-GK	CS-KSHC9×10□-L	CS-KSHC11×15□-M	CS-KSHC11×15□-P
Mounting thread size		M14×1.5		M16×1.5	
Maximum absorption	J [ft·lbf]	5.0 [3.69]	8.0 [5.90]	10 [7.4]	15 [11.1]
Absorbing stroke	mm [in.]	10 [0.39]		15 [0.59]	
Maximum impact speed	m/s [ft./sec.]	1.0 [3.28]			
Maximum operating frequency	cycle/min	60		40	
Maximum absorption per unit of time	J/min [ft·lbf/min.]	240 [177]		300 [221]	
Spring return force	N [lbf.]	8.5 [1.91]		18 [4.0]	
Angle variation		1° or less			
Operating temperature range ^{Note1}	°C [°F]	0~60 [32~140]			

Item	Model	CS-KSHC14×16□-R	CS-KSHC14×16□-T	CS-KSHC18×25□-X
Mounting thread size		M20×1.5		M25×1.5
Maximum absorption	J [ft·lbf]	20 [14.8]	30 [22.1]	40 [29.5]
Absorbing stroke	mm [in.]	16 [0.63]		25 [0.98]
Maximum impact speed	m/s [ft./sec.]	1.0 [3.28]		
Maximum operating frequency	cycle/min	40		
Maximum absorption per unit of time	J/min [ft·lbf/min.]	600 [443]		800 [590]
Spring return force	N [lbf.]	18.6 [4.18]		32 [7.2]
Angle variation		1° or less		
Operating temperature range ^{Note1}	°C [°F]	0~60 [32~140]		

Notes: 1. Shock absorption capacity fluctuates depending on ambient temperature or speed.
 2. The value inside () is CS-KSHC5×5□-□-11.