

# Enclosed Spring Mountings

Type ES / ECS

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## TYPES

**ES** - Enclosed Spring

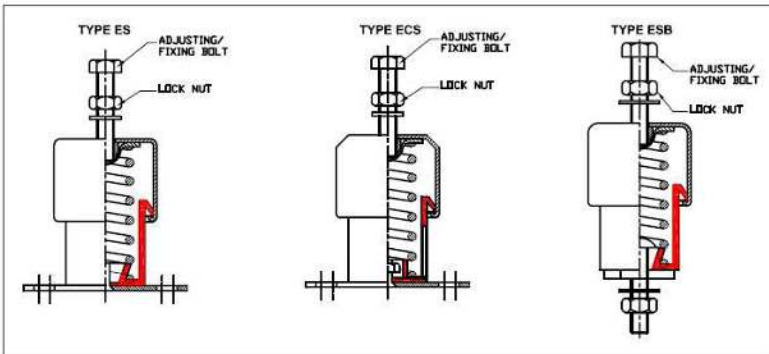
**ECS** - Enclosed Captive Spring Mounting

A unique range of mountings designed primarily for building services applications where the control of low frequency vibration and noise emanating from mechanical plant is of paramount importance

The benefits of a combined rubber and steel housing for the spring are ideal to establish the ES and ECS mountings as industry standards by specifiers, equipment manufacturers and mechanical services installers alike

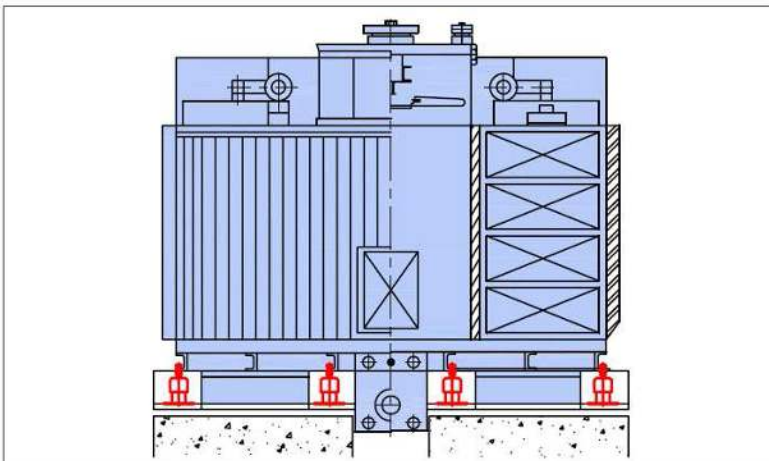
## DESIGN FEATURES

- Nitrile rubber (oil resistant) lower spring housing eliminates the possibility of metallic continuity and ensures excellent acoustic performance. Steel reinforced on ECS range
- Full enclosed captive assembly protects the spring and controls transient motion
- All steel components zinc plated
- Spring with nominal deflections of 20, 25 and 50 mm, laterally stable and with 50% overload capacity
- Simple single bolt height adjustment
- Spring viewing/inspection hole and ribbed rubber seating pads available for ES25 and ECS ranges
- Colour coded labels for easy identification



## TYPICAL APPLICATIONS

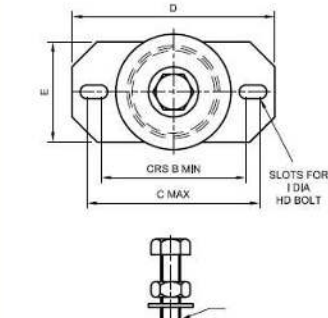
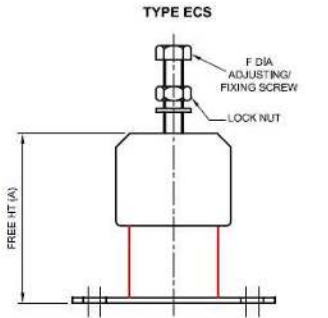
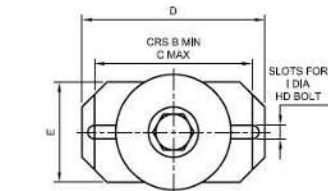
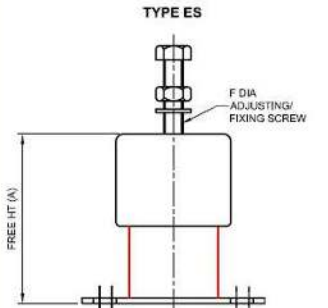
- Axial and Centrifugal Fans
- Air Handling Units
- Chillers & Cooling Towers
- Rotary & Multi Cylinder Compressors
- Diesel Generating Sets (ECS only)
- Mechanical Test Rigs
- Isolation of Sensitive Equipment
- Etc. Etc.



HSI 416 LES FEB 13

**RMS**  
CORPORATION

**RESISTOFLEX**  
SINCE 1947  
Vibration Shock Seismic Control



## TECHNICAL CHARACTERISTICS

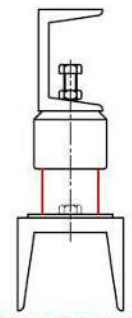
CODE NO.	COLOUR CODE	RATED LOAD (kg)	DEFLECTION AT RATED LOAD (mm)	NOMINAL DIMENSIONS (mm)								
				A	B	C	D	E	F	H	I	
ES 20/10	PURPLE	10	20	63	54	60	76	38	M8	-	M6	
ES 20/15	YELLOW	15	20									
ES 20/20	GREY	20	20									
ES 20/40	GREEN	40	20									
ES 20/70	RED	70	20									
ES 15/100	BLUE	100	15	65	-	-	-	-	M8	28	-	
ESB 20/10	PURPLE	10	20									
ESB 20/15	YELLOW	15	20									
ESB 20/20	GREY	20	20									
ESB 20/40	GREEN	40	20									
ESB 20/70	RED	70	20	88	85	90	110	70	M10	-	M8	
ES 25/30	YELLOW	30	25									
ES 25/60	GREEN	60	30									
ES 25/100	BLUE	100	25									
ES 25/160	WHITE	160	25									
ES 25/250	RED	250	25	127	130	150	180	95	M16	-	M12	
ECS 25/200	WHITE/RED	200	25									
ECS 25/300	WHITE/PURPLE	300										
ECS 25/400	WHITE/GREY	400										
ECS 25/500	WHITE/ORANGE	500										
ECS 25/600	WHITE/BROWN	600										
ECS 25/700	WHITE/BLACK	700	50	155	130	150	180	95	M16	-	M12	
ECS 50/100	BLACK/YELLOW	100										
ECS 50/200	BLACK/GREEN	200										
ECS 50/300	BLACK/BLUE	300										
ECS 50/400	BLACK/WHITE	400										
ECS 50/500	BLACK/RED	500										

\* All figures are nominal for information only. \* Deflection is with ±15% tolerance.

### ISOLATION EFFICIENCY AT TYPICAL MACHINE SPEEDS

MACHINE SPEEDS (rpm)	EFFICIENCY %		
	15 mm DEFL.	25 mm DEFL.	50 mm DEFL.
300	DO NOT USE	34.0	75.2
500	68.7	83.3	92.3
750	88.1	93.2	96.7
1000	93.7	96.3	98.2
1200	95.5	97.4	98.7
1500	97.3	98.4	99.2
1750	98.0	98.8	99.4
2000	98.5	99.1	99.5

These figures assume infinitely stiff structural support. High frequency spring coil resonance effects are ignored.



**INSTALLATION NOTES**

Correct fixing to equipment with lockout tightened  
 Adjusting/fixing screw **MUST** be wound down sufficiently so that the spring pressure is felt before tightening the locknut  
 For height adjustment, continue winding the adjustment screw down, thus raising the upper spring cover **BUT DO NOT** adjust by more than the original deflection obtained when the load was applied to the mounting