

Why choose Farrat Jackmounts?

Farrat Jackmounts offer a simple secure and economical means of supporting and installing machinery suited to jackscrew support.

Manufactured by Farrat they have been used for decades in thousands of applications around the world.

Jackmounts should not be used under machines with strong vertical or horizontal shock forces (consider Isomounts, Wedgemounts or Isolated Foundations instead).

Advantages of using Jackmounts:

- Enables excellent, stable seating on uneven floors.
- High vibration damping to improve machine performance, reduce machine wear and lower noise levels.
- Reduce shock transmission to and from the machine.
- Protect floors and surroundings from the harmful effects of vibration.
- High friction grip so machines don't move.
- No bolting down or grouting for fast and economical installation and relocation.

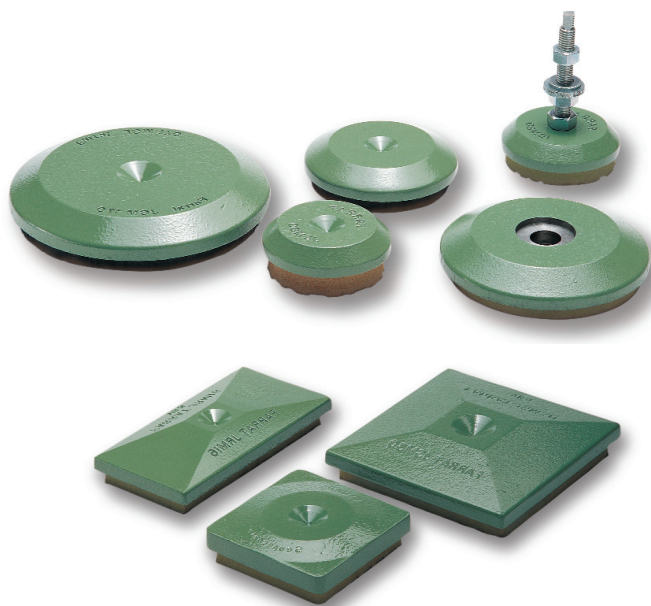


Fig. 1.1

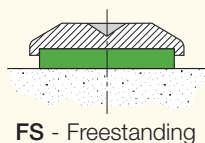


Fig. 1.2

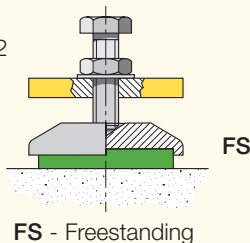


Fig. 1.3

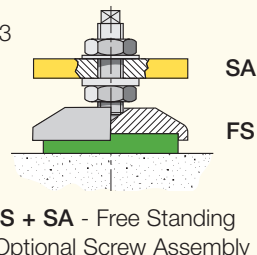


Fig. 1.4

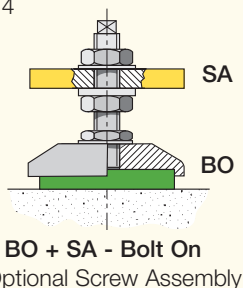


Fig. 1.5

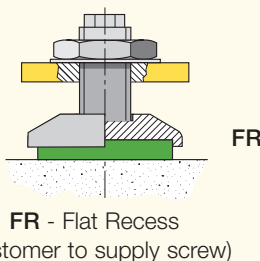
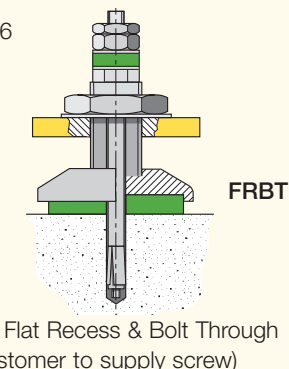


Fig. 1.6



Jackmounts

Typical Applications & Appropriate Anti Vibration (AV) Pad Grade				
Mounting Requirement	Typical Applications	AV Pad Grade (To be specified)	AV Pad Material	AV Pad Thickness (mm)
Soft	Vibration sensitive equipment e.g. Measuring, Test, Optical, Laboratory Equipment	-50	NBR50-10P2	10
Elastic	Active Shock & Vibration e.g. Injection Moulders, Packaging Machines	-70	NBR70-10P2	10
Stiff	High stiffness with damping e.g. Drilling, Woodworking, Cigarette Making, Printing Machines	-80	NBR80-10P2	10
Very Stiff	Very Stiff with damping e.g. Lathes, Transfer Machines, Grinders	-90	SG10-P2	10

Please contact Farrat for more information and technical specification assistance.
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Load Capacities and Dimensions								
Model	Maximum Loads per Mount for AV Pad Grades				Base size (mm) L x B	Base Heights (mm) H	Base Material	Unit Mass (kg)
	(kg) -50	(kg) -70	(kg) -80	(kg) -90				
JSM								
05*	200	400	600	700	75x75	24	Cast Iron 250	0.54
10*	400	800	1200	1400	100x100	25	Cast Iron 250	0.84
20*	650	1300	2000	2500	125x125	27	Cast Iron 250	1.80
30*	1000	2000	3000	3600	150x150	27	SG500	2.22
JRM								
16*	600	1200	1700	2000	165x85	26	Cast Iron 250	1.30
21*	1000	2000	3200	3800	215x115	29	SG500	2.68
24*	2000	4000	6000	7200	265x165	30	SG500	4.78
JCM								
60*	150	300	400	500	70	25	Cast Iron 250	0.32
80*	250	500	800	1000	90	25	Cast Iron 250	0.54
100*	400	800	1200	1400	110	25	Cast Iron 250	0.84
120*	550	1100	1700	2000	130	27	Cast Iron 250	1.44
130*	650	1300	2000	2400	140	27	Cast Iron 250	1.60
170*	1100	2200	3400	4000	180	27	Cast Iron 250	2.94
200*	1600	3200	4700	5600	210	35	SG500	5.44

Fig. 2.1

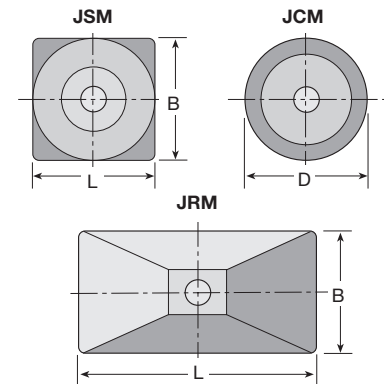
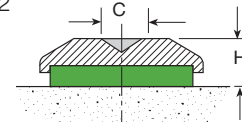
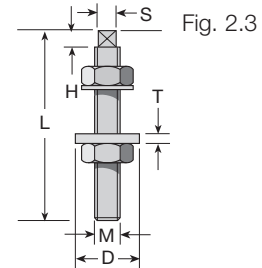


Fig. 2.2



Variants and Associated Dimensions					
Model	Variants	FS Cone Diameter C (mm)	Possible SA Screw Sizes	FR Recess Diameter (mm)	BT Bolt Through Diameter (mm)
JSM					
05*	FS (+SA), BO (+SA)	20	M10, M12, M16	-	-
10*	FS (+SA), BO (+SA)	24	M10, M12, M16, M20	-	-
20*	FS (+SA), BO (+SA)	30	M12, M16, M20, M24	-	-
30*	FS (+SA), BO (+SA)	30	M12, M16, M20, M24	-	-
JRM					
16*	FS (+SA), BO (+SA)	24	M10, M12, M16, M20	-	-
21*	FS (+SA), BO (+SA)	30	M12, M16, M20, M24	-	-
24*	FS (+SA), BO (+SA)	32	M16, M20, M24	-	-
JCM					
60*	FS (+SA), BO (+SA), FR, FRBT	20	M10, M12, M16	26	12, 14
80*	FS (+SA), BO (+SA), FR, FRBT	22	M10, M12, M16, M20	26, 32, 38	12, 14, 16, 18, 20, 22
100*	FS (+SA), BO (+SA), FR, FRBT	26	M12, M16, M20, M24	32, 38	18, 20, 22, 26
120*	FS (+SA), BO (+SA), FR, FRBT	26	M12, M16, M20, M24	32, 38	18, 20, 22, 26
130*	FS (+SA), BO (+SA), FR, FRBT	28	M12, M16, M20, M24	32, 38	18, 20, 22, 26
170*	FS (+SA), BO (+SA), FR, FRBT	32	M16, M20, M24	32, 38	18, 20, 22, 26
200*	FS (+SA), BO (+SA), FR, FRBT	40	M16, M20, M24	32, 38	18, 20, 22, 26



Screw assemblies (SA)									
Used to convert a plain hole in a machine base into a levelling screw (All Dimensions: mm)									
SA Screw Size & Pitch	S	H	D	T	L: Lengths Available				
SA M10x1.5	8	10	30	5	80	-	-	-	-
SA M12x1.75	8	10	30	5	80	100	150	-	250
SA M16x2	11	10	40	6	80	100	150	180	250
SA M20x2.5	13	10	40	6	-	100	150	180	250
SA M24x3	18	10	50	8	-	-	150	180	-

Order examples	
* Specify Vibration damping grades e.g. -50 and fixing e.g. BO M16x2	
Free Standing FS	Base only JSM 05-50 FS
Free Standing FS ZP	Zinc Plated Base only JSM 05-50 FS ZP
Bolt on BO	Base only JRM 21-70 BO M16x2
Flat recess FR (JCM only)	Base only JCM 200-80 FR 32
FR with bolt-through hole FRBT	Base only JCM 130-90 FR 32 BT 18
Bolt on with screw assembly BO+SA	Base+Screw JCM 80-50 BO M16x2 + SA M16x2x150

Alternative variants are available on request.

Finishes to Jackmount Bases			Suffix
Standard	Green	RAL 6011	
To order	ZP	Bright Zinc plated	ZP