

XYZ
+ABC
123
Calculations
P 63

Spacer
Slides
P 24-25

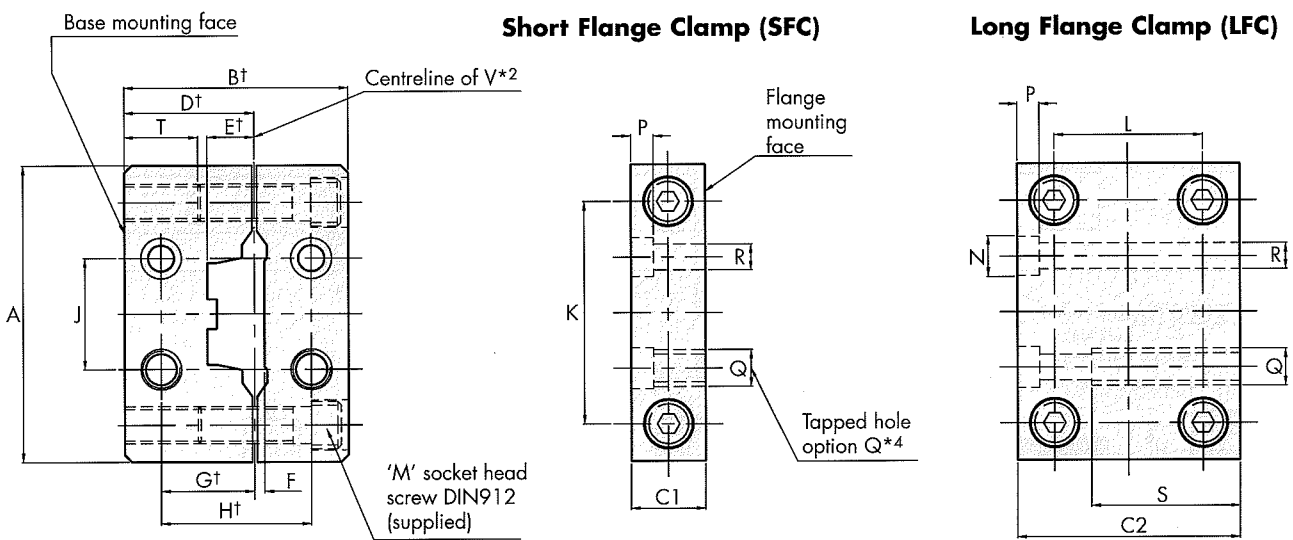
Flange Clamps

Flange Clamps enable the Slide System to act as a self-supporting constructional element of the machine. Manufactured from aluminium alloy, the clamps are anodised to achieve an attractive and corrosion resistant finish. They are available for use with all Double Edged Spacer Slides in the S series sizes and larger. Short Flange Clamps (type SFC) enable the Slide to be supported between two opposing faces. The Long Flange Clamp (type LFC) enables short lengths of Slide to be supported from one end only. The machined base mounting facility may be utilized by customers wishing to space the Slide System away from the mounting surface. Deflection of Slides can be determined using data given in the Calculations section.

Assembly

During assembly, care should be taken to ensure that the Flange Clamps are positioned proud of the ends of the Slide*1. Flange fixing screws should be located and slightly tightened, before clamping screws 'M' are fully tightened. Progressive tightening of each screw 'M' is recommended. Flange fixing screws may then be fully tightened.

See Application Examples on pages 10 & 14



Dimensions marked † will differ slightly between application with P1 and P2 & P3 slides*2

Part Number *3	For Use With Slide	A	B	C1	C2	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	Weight /g	
																					SFC	LFC
S/L FC 25	NS25	60	55	15	55	30	10	1.8	20	35	20	45	35	M6 x 30	9.5	5	M8	6	35	17	120	405
S/L FC 35	NS35	76	62	20	60	37	10	1.8	25	40	26	56	40	M8 x 35	11	6	M10	7	30	17	240	740
S/L FC 50	NS50	86	62	20	60	37	10	1.8	26	42	32	66	40	M8 x 35	11	6	M10	7	30	17	260	770
S/L FC 44	NM44	80	60	20	60	35	12.5	2.5	25	40	30	60	40	M8 x 30	11	6	M10	7	40	20	220	630
S/L FC 60	NM60	100	62	25	75	37	12.5	2.5	27	42	40	78	50	M8 x 35	11	6	M10	7	40	17	370	1150
S/L FC M76	NM76	127	75	25	75	50	12.5	2.5	30	45	55	95	50	M10 x 40	14	8	M12	9	45	23	530	1780
S/L FC 76	NL76	120	75	25	75	45	19.5	4	30	50	55	95	50	M10 x 40	14	8	M12	9	45	23	500	1430
S/L FC 120	NL120	170	100	25	75	62.5	19.5	4	35	54	95	140	45	M12 x 50	17	11	M16	11	40	35	1050	2750

Ordering Details

S FC60 (Q)

Clamp Length
 'S' = Short Type (use one at each end of slide)
 'L' = Long type (use for cantilever slide mounting)

Q indicates tapped hole option is required
 Leave blank for through hole fixing.
 Part Number (60 = nominal Slide width in mm*3)

Notes:

- For mounting Slides between opposing faces, Slides should be ordered 2 mm shorter than the required span.
- The drawings show dimensions from the centreline of Slide 'V' when in the clamped condition. The figures quoted are valid for precision grades P2 & P3. For P1 Slides, dimensions D & E will be reduced by 0.2mm and dimensions B & H will be reduced by 0.4 mm. The keyway register ensures the Slide is located centrally.
- Flange Clamps are available to suit both the NM76 and NL76 Slides. For the NM76 compatible flange clamp, please state S/L FC M76 as per table.
- Standard drilled flange clamps will be reworked for customers requiring tapped hole option 'Q'.