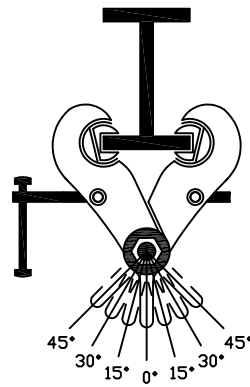


SIDE LOADED
ACROSS BEAM
ONLY, AS
ILLUSTRATED



Riley (Lifting Equipment) Ltd

REDUCTION IN WORKING LOAD LIMITS WHEN SIDE LOADS APPLIED

ANGLE FROM VERTICAL	0°	0° to 15°	15° to 30°	30° to 45°
REDUCTION FACTOR	NIL	17%	34%	50%
MODELS	WLL	WLL	WLL	WLL
S2A, S5A	3Ton	2.5Ton	2Ton	1.5Ton
S3	4Ton	3.3Ton	2.6Ton	2Ton
S3X, S3A, S6, S6A	5Ton	4.1Ton	3.3Ton	2.5Ton
S4	7Ton	5.8Ton	4.6Ton	3.5Ton
S4S	6Ton	5Ton	4Ton	3Ton
S4A, S11	10Ton	8.3Ton	6.6Ton	5Ton
S12, S14	15Ton	12.4Ton	10Ton	7.5Ton
S15, S16	20Ton	16.6Ton	13.2Ton	10Ton
S17, S18	25Ton	20.7Ton	16.5Ton	12.5Ton
S19, S20	30Ton	25Ton	19.8Ton	15Ton

The above working load limits and derations have been established specifically for most "S" type clamps and only apply in overhead beam attachment i.e. **DO NOT** apply if clamps are to be used for lifting beams. (Our side load clamps "USC range" has been specifically designed for this purpose). Literature is available on request. The tables apply to our clamps only (selected models) and we strongly advise that stress calculations should be carried out (by the user's engineering department) for all support steelwork.

WARNING: All clamps must be correctly applied to the beam by a competent person and fully hand tightened. If in doubt, contact the manufacturer for their recommendations.

NOTE: Clamp models S1, S2 and S5 are not suitable for any side loading as they are of lightweight design.