



SKS Bearing

Part of the Dixon
International Group Ltd
www.dig.co.uk

Sliding Bearing

The rubber components allow for small irregularities in the bearing surface. The PTFE and elastomer are chemically bonded under heat and pressure. An expanded polystyrene surround to fit the supporting area is supplied. This locates the pads and assists in situ pouring of super-structure concrete. Bearings are protected from wet grout and concrete by a waterproofed backing. The lubricated PTFE sliding faces give a very low coefficient of friction (in the order of 0.05).

When placed between steel or precast surfaces, SKS bearings come with no waterproof paper as indicated by SKS(NW). Non-standard types include holes and slots for bolts. In these cases, the load capacity of point load bearings is reduced, and contact must be made with the Technical Department.

The natural rubber compound is formulated to satisfy BS5400 and reinforced with a high-quality warp knitted polyester fabric. The PTFE, reinforcement and rubber are chemically bonded under heat and pressure. The PTFE complies with BS EN ISO 13000 and is lubricated with silicone grease. The support surface must be flat and level (at least a steel float finish) without holes or sharp projections. The bearing is laid in one operation onto it with the waterproof backing paper uppermost. When slabs are being poured in situ, care should be taken to ensure that the complete supporting surface is covered by the SK bearing and its expanded polystyrene surround. If an adhesive is used it should be non-solvent based.



Product Code

Typical reference: SKS-1-150/150(200/200)-200 x 200 x 7.

S = SKS type bearing.

1 = No. individual bearing units. 1 for pad bearings, typically 3 for strip bearings.

150/150 = Upper sliding component plan size mm.

(200/200) = Lower stationary component plan size mm.

200x200x7 = Overall dimensions mm.

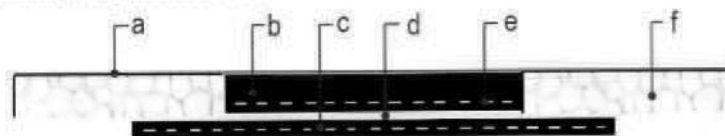


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Max Load (ULS) kN/m	Strip Bearing No.
19	SKS-3-50/50-LxW
33	SKS-3-50/75-LxW
45	SKS-3-50/100-LxW
67	SKS-2-75/100-LxW
100	SKS-3-75/100-LxW
120	SKS-2-100/100-LxW
150	SKS-3-75/150-LxW
180	SKS-3-100/100-LxW
200	SKS-3-75/200-LxW
270	SKS-3-100/150-LxW
360	SKS-3-100/200-LxW

Max Load (ULS) kN	Pad Bearing No.
6	SKS-1-50/50-LxW
11	SKS-1-50/75-LxW
15	SKS-1-50/100-LxW
23	SKS-1-75/75-LxW
34	SKS-1-75/100-LxW
45	SKS-1-75/135-LxW
60	SKS-1-100/100-LxW
100	SKS-1-125/135-LxW
150	SKS-1-125/200-LxW
200	SKS-1-175/200-LxW
300	SKS-1-200/250-LxW
400	SKS-1-225/300-LxW
500	SKS-1-280/300-LxW
1000	SKS-1-400/425-LxW
2000	SKS-1-425/800-LxW



- a = Waterproofed backing
- b = 5mm thick sliding pad
- c = 2mm thick stationary pad
- d = PTFE sliding faces
- e = Reinforcement
- f = Expanded polystyrene surround