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| Bearing number : | AXW45 |
| Boundary dimensions(mm) : | |
| Dc1 : | 45 |
| D1 : | 52 |
| D : | 68 |
| B : | 4.2 |
| B1 : | 4 |
| Load ratings (N) : | |
| Cr : | 29500 |
| Cor : | 119900 |
| Oil : | 4300 |
| (Approx.) : | 43.4 |

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Needle roller bearing is a special type of roller bearing, whose rollers are relatively thin and long in diameter, resembling needles in shape, hence its name. The structure and composition of needle roller bearings mainly consist of an outer ring, an inner ring, needle rollers, and a cage. The outer and inner rings serve as raceways, providing guidance paths for the movement of the needle rollers; The rolling needle is fixed by a holder to ensure even spacing. The cylindrical shape of the rolling needle helps to increase the contact area, thereby distributing the load more evenly and reducing wear.