

Motor Fans & Accessories

Motor Fans and Bushes

APPLICATIONS

The range of polypropylene fans, designed for electric motors frames IEC71 - IEC180. They are an invaluable development for both repair shops and manufacturers of small batches. Their unique, universal bushing system eliminates any need for expensive tooling to produce special fans.

To cover the widest range of applications, fans are manufactured as flat as possible making them suitable for motors of differing manufacture. For even greater flexibility one size of bush is suitable for two fan types. The special mixture of easily machinable polypropylene used in manufacture provides a smooth finish.

GENERAL

With conventional 'standard' replacement fans the bore dimensions rarely match those of the motor spindle ends. It is also often impractical to alter the fan bore dimensions due to the difficulties involved in holding the fan in a lathe plus it is a costly operation to turn the motor spindle to a

suitable dimension to obtain a proper fit. This results in repair shops having to carry large fan stocks which take up valuable storage space and involve capital outlay. The CS range of fans are manufactured with a single, large diameter bore and supplied with appropriate bushes to fit a variety of spindle dimensions. In the event of a perfectly fitting bush not being available it is a simple process to turn the bore of the nearest smaller sized bush to the required dimension.

For each size of fan there are various bush sizes with standard bore and two keyways, also an additional bush with cylindrical bore for turning on a lathe. Problems from expansion are eliminated as both fans and bushes are manufactured from the same material providing complete compatibility. A feature of this unique bushing system is the three lips inside the fan bore positioned above and below to ensure a strong, permanent fit from both sides. If it is necessary to lock the bush to the motor shaft this is also possible as the fan can be fitted afterwards.

NOMINAL DIMENSIONS

Fan Dimensions								
Type	71	80	90	100	112	132	160	180
a	123	132	165	171	213	246	298	333
b	75	79	95	99	124	132	172	214
c	26	25	32	35	46	56	56	55
d	27	27	42	42	56	56	69	69
e	33	33	49	49	63	63	76	76
f	15	16	18	18	23	22	29	29
g	8	10	13	12	16	20	19	20
h	98	104	131	143	170	197	238	273
Bush Bore	7		18.5			20.5		30

Note: All dimensions shown are nominal. All fans come with 12 blades

