



# DAVAL GEAR'S Anti-backlash

## gear assemblies

40DP / 48DP / 64DP

GEARS

teeth	(A) outside diameter			(B) pitch circle diameter			(Y) spring spacing		
	40DP	48DP	64DP	40DP	48DP	64DP	40DP	48DP	64DP
60	1.550			1.500			0.875		
64	1.650			1.600			0.875		
72	1.850	1.542		1.800	1.500		1.125	0.875	
80	2.050	1.708		2.000	1.667		1.375	0.875	
84	2.150	1.792		2.100	1.750		1.375	0.875	
90	2.300	1.917	1.437	2.250	1.875	1.406	1.50	1.125	0.875
96	2.450	2.042	1.531	2.400	2.000	1.500	1.625	1.375	0.875
100	2.550	2.125	1.594	2.500	2.083	1.562	1.75	1.375	0.875
120		2.542	1.906		2.500	1.875		1.750	1.125

Bore code		Bore dia.	Boss dia.	Overall length	Face width	R	X
		C	D	E	F		
12	To fit 1/8" dia. shaft	0.125	0.562	0.437	0.130	0.330	0.140
18	To fit 3/16" dia. shaft	0.187	0.668	0.437	0.130	0.375	0.140
25	To fit 1/4" dia. shaft	0.250	0.794	0.437	0.130	0.437	0.140

Example of order reference: AB (BORE CODE)-(PITCH)-(TEETH)B-SH

e.g. **AB12-48-72B-SH**

#### Material

Gear: Brass

BS2784:1986 CZ121

Hub: Stainless Steel

BS970 Pt.3 1991 416541

(EN56AM)

Clamp: Aluminium Alloy

BS4300/S:1973 FC)

Aluminium Alloy

BS1470: 1987 2014A

All dimensions in inches.

Pressure angle 20°.

Manufactured to BS. 978: 1968.

Pt. 1, Fig. 1, Class B.

Bore tolerances to BS. 1916: 1953.

Pt. 1, H8.

General tolerance unless otherwise

stated  $\pm 0.10$ .

For guidance on the gear tolerances

refer to the Technical Section of this

catalogue.