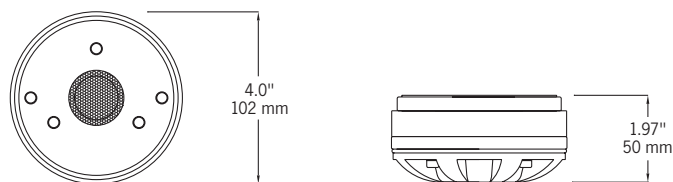




Our range of compression drivers are for high frequency reproduction when mounted to a suitable waveguide. All units feature ultra lightweight titanium diaphragms, driven at its circumference by an equally lightweight aluminium voice coil. Each motor system has a copper

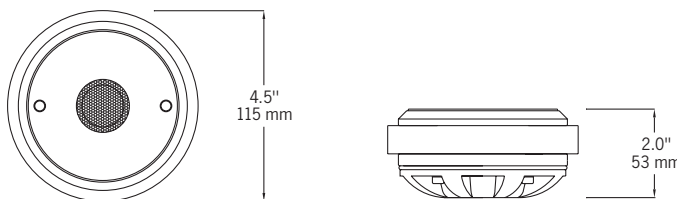
shorting ring surrounding the pole piece which effectively reduces eddy current induced distortions with the added benefit of increasing the very high frequency output by reducing the inductive rise of the voice coil.

CD140

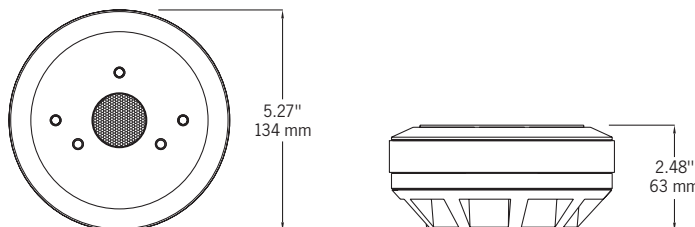


CD140 also available with a 140x91mm plastic horn CD140H

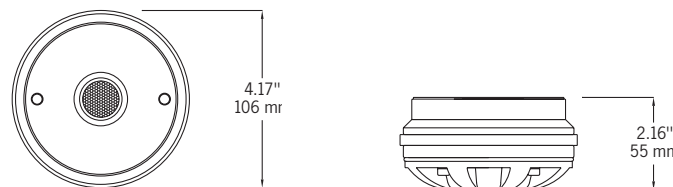
CD145



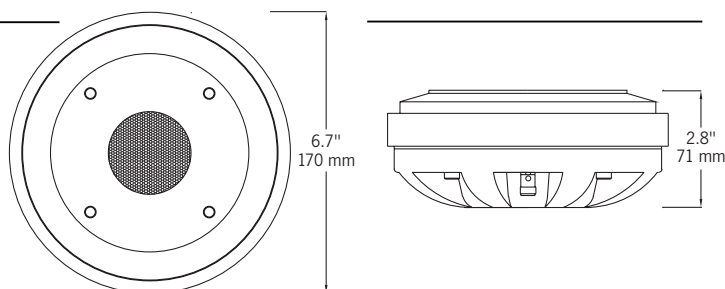
CD150



CD150N



CD280



COMPRESSION DRIVERS

Electro mechanical specifications

	CD140	CD145	CD150	CD150N	CD280
Sound channel/throat (inches/mm)	1-25.4	1-25.4	1-25.4	1-25.4	2-50.8
Nominal Impedance (ohms)	8/16	8/16	8/16	8/16	8/16
Power Handling (watts AES)	40	45	50	50	80
Average Sensitivity 1W/1m (db)	105	108	108	110	108
Usable Frequency range – kHz	2-16	2-18	2-18	2-18	800Hz-18kHz
Recommended crossover frequency		3.5kHz filtered at 18 dB/octave			1.6kHz filtered at 18 dB/octave
Effective diaphragm diameter (mm/inch)	44/1.75	44/1.75	44/1.75	44/1.75	73/2.87
Voice coil diameter (mm/inch)	44/1.75	44/1.75	44/1.75	44/1.75	73/2.87
Voice coil DC resistance (ohms)	6.2/10.5	6.2/10.5	6.2/10.5	6.2/10.5	6.2/10.5
Max diaphragm displacement (mm/inch)	.4/.016	.4/.016	.4/.016	.4/.016	.8/.032
Flux density (Tesla)	1.35	1.60	1.65	1.90	1.70
Magnet weight (oz/kg)	16/.46	23/.67	39/1.10	11/.32	60/1.72

Construction Materials

	CD140	CD145	CD150	CD150N	CD280
Coil former	Polyamide	Polyamide	Polyamide	Polyamide	Nomex
Voice coil material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Diaphragm material	Titanium	Titanium	Titanium	Titanium	Titanium
Surround/edge termination		Double Sinusoidal Roll Titanium			
Magnet	Ferrite	Ferrite	Ferrite	Neodymium	Ferrite
Connectors	6.3mm spade	6.3mm spade	4.8mm spade	6.3mm spade	Push Button Spring Terminals
Polarity	Positive voltage at red/positive terminal causes positive pressure at throat exit				

Mounting information

	CD140	CD145	CD150	CD150N	CD280
Bolt fixing holes for CD140 & CD150		3 x M6 on 57.15 mm – 2.25 inch PCD 2 x M6 on 76.2 mm – 3.00 inch PCD			
Bolt fixing holes for CD145 & CD150N		2 x M6 on 76.2 mm – 3.00 inch PCD			
Bolt fixing holes for CD280		4 x M6 on 101.6 mm – 4 inch PCD			
Overall diameter (inch/mm)	4.0/102	4.5/115	5.27/13	4.17/106	6.7/170
Depth (inch/mm)	1.97/51	2.0/53	2.48/63	2.16/55	2.8/71
Weight (lb/kg)	3.4/1.54	4.2/1.92	6.5/2.97	3.6/1.65	10.6/4.84
Shipping weight (lb/kg)	3.6/1.64	4.4/2.0	6.8/3.1	3.8/1.75	11.4/5.2
Packing carton dimensions (mm)	120x120x160	150x160x80	150x160x80	150x160x80	200x210x100
Packing carton dimensions (inch)	4.72x4.72x6.3	5.9x6.3x3.15	5.9x6.3x3.15	5.9x6.3x3.15	7.9x8.3x4.0



Additional literature available



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