

E-Type

{HIGH PERFORMANCE RACING SERIES}

ABTE ABTE-V

Product Data Sheet – MINEBEA – NMB

Imperial Spherical Bearing – Narrow Series Self Lubricating

Ball
Corrosion resistant steel
AMS 5630. Rc 55 to 62

Outer race
Corrosion resistant steel
AMS 5643. H1150

Liner Rose 'D' Type Enhanced
In accordance with SAE AS 81820

Part Number	B	D	W	H	O	C	N	P	R	X	Max Static Radial Load	Max Dyn Radial Load	Weight
	Bore Dia	Race O/dia	Ball Width	Race Width	Shoulder Dia	Race Chamfer	Groove PCD	Groove Depth	Groove Root Radius	Angle			
ABTE ABTE-V	+0.0000 -0.0005	+0.0000 -0.0005	+000 -0.002	+0.005 -0.005	Min	+0.005 -0.005	+0.000 -0.008	+0.000 -0.010		Deg	lbf	lbf	lbs
4	.2500	.6562	.343	.250		.364	.015	.594	.025				
5	.3125	.7500	.375	.281	.460	.015	.660	.035	.010/.017	10	10,691	5,460	.030
6	.3750	.8125	.406	.312	.475	.025	.712	.035	.010/.017	9	13,596	6,600	.040
7	.4375	.9062	.437	.343	.530	.025	.806	.035	.010/.017	8	16,555	8,050	.050
8	.5000	1.0000	.500	.390	.600	.025	.876	.055	.010/.017	8	21,045	10,400	.070
9	.5625	1.0937	.562	.437	.670	.025	.970	.055	.010/.017	8	26,674	13,000	.090
10	.6250	1.1875	.625	.500	.780	.025	1.063	.055	.010/.017	8	32,922	16,450	.120
12	.7500	1.4375	.750	.593	1.000	.035	1.313	.055	.010/.017	8	48,772	23,600	.210
14	.8750	1.5625	.875	.703	1.060	.035	1.438	.055	.010/.017	8	64,362	30,250	.270

Dimensions in inches

No Load Rotational Breakout Torque	
Bore Size	lbf.in
4 - 6	3.0 - 8.0 lb.in
7 - 12	4.0 - 10.0 lb.in
14	5.0 - 12.0 lb.in

