

E-Type

{HIGH PERFORMANCE RACING SERIES}

ABYTE ABYTE-V

Product Data Sheet – MINEBEA – NMB

Imperial Spherical Bearing
High Misalignment 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			
ABYTE ABYTE-V	+0.0000	+0.0000	+000	+0.005	Min	+0.005	+0.000	+0.000		Deg	lbf	lbf	lbs
	-0.0005	-0.0005	-0.002	-0.005		-0.005	-0.008	-0.010					
4	.2500	.7400	.593	.255	.380	.017	.680	.030	.005/.015	24	10,644	3,800	.036
5	.3125	.6875	.625	.250	.418	.027	.617	.040	.010/.020	23	10,644	3,800	.068
6	.3750	.9060	.813	.345	.500	.027	.808	.040	.010/.020	23	19,585	7,200	.068
7	.4375	1.0000	.875	.345	.600	.027	.902	.040	.010/.020	22	21,163	8,100	.095
8	.5000	1.1250	.937	.401	.669	.027	1.027	.040	.010/.020	20	26,566	10,900	.159
10	.6250	1.3750	1.200	.567	.844	.027	1.277	.040	.010/.020	20	48,842	20,000	.245
12	.7500	1.5625	1.280	.620	.950	.039	1.440	.060	.010/.020	18	57,108	24,200	.315
14	.8750	1.7500	1.400	.625	1.110	.039	1.628	.060	.010/.020	18	63,365	27,600	.430

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	6.0 - 12.0 lb.in

