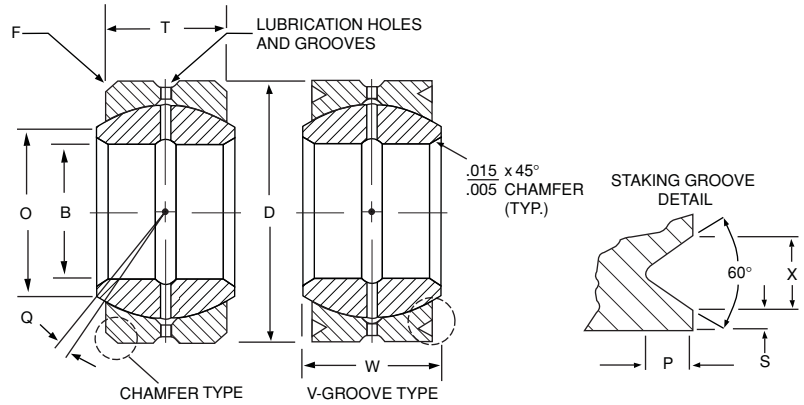
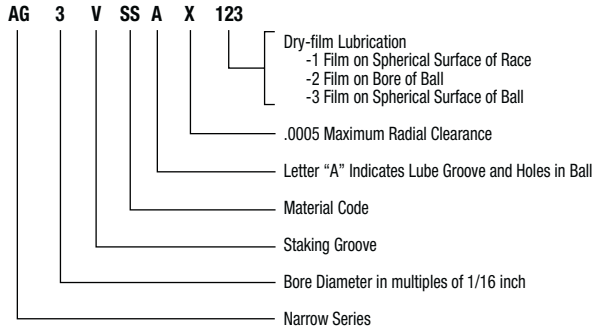


# SPHERICAL BEARINGS – Metal-to-Metal

## Narrow

### NHBB P/N



Part Number V-Grooved*	(B)	(D)	(W)	(T)	(O)	Ball Diameter	(F)	(Q)	(P)	(R)	(S)	(X)	Limit Static Radial Load		Weight
	Bore Diameter	Outside Diameter	Ball Width	Race Width	Shoulder Diameter		Race Chamfered x 45°	Mis- alignment	Staking Groove Data			Bronze Race	Steel Race		
	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Ref.	Inch	Inch	Inch	Inch	lbs.	lbs.	lbs.
	+ .0000	+ .0000	+ .000	+ .005	Ref.	Ref.	+ .000		+ .000	+ .000	+ .000	+ .000			Ref.
	- .0005	- .0005	- .005	- .005			- .010		- .015	- .010	- .010	- .010			
AG3V	.1900	.5625	.281	.218	.293	.406	.020	11°	.030	.015	.020	.045	2350	4060**	.02
AG4V	.2500	.6562	.343	.250	.364	.500	.022	13°	.030	.015	.020	.045	3700	6660	.02
AG5V	.3125	.7500	.375	.281	.419	.562	.032	11° 30'	.040	.020	.030	.055	4580	8240	.03
AG6V	.3750	.8125	.406	.312	.517	.656	.032	9° 30'	.040	.020	.030	.055	6360	11450	.04
AG7V	.4375	.9062	.437	.343	.572	.718	.032	9°	.040	.020	.030	.055	8080	14540	.05
AG8V	.5000	1.0000	.500	.390	.642	.813	.032	9°	.060	.020	.030	.080	11060	19900	.07
AG9V	.5626	1.0937	.562	.437	.671	.875	.032	10°	.060	.020	.030	.080	13960	25120	.09
AG10V	.6250	1.1875	.625	.500	.739	.968	.032	9°	.060	.020	.030	.080	17760	31970	.11
AG12V	.7500	1.4375	.750	.593	.920	1.187	.040	9°	.060	.020	.030	.080	27300	49140	.21
AG14V	.8750	1.5625	.875	.703	.980	1.312	.040	9°	.060	.020	.030	.080	36080	64940	.27
AG16V	1.0000	1.7500	1.000	.797	1.118	1.500	.040	9° 30'	.060	.020	.030	.080	48300	86940	.39
AG18V	1.1250	2.1250	1.125	.900	1.334	1.750	.040	8°	.060	.020	.030	.080	63000	113400	.72
AG20V	1.2500	2.3125	1.250	1.000	1.473	1.937	.040	8°	.060	.020	.030	.080	79420	142950	.93
AG22V	1.3750	2.5625	1.375	1.100	1.654	2.156	.040	8°	.060	.020	.030	.080	99180	178520	1.28
AG24V	1.5000	2.8125	1.500	1.200	1.794	2.344	.040	8°	.060	.020	.030	.080	119540	215180	1.67

\* For chamfered version, delete 'V' from part number.

\*\* Based on pin limitation.

### Notes:

- Radial Clearance: Free running to .002 max.
- Dimensions: All dimensions apply after plating.
- Options: For bearings without lubrication holes and grooves, add suffix "300" to part number (Example: AG5-300, AG16VCR300).
- Groove dimensions on ID of race and grease holes through race are before bearing assembly, but swaging shall not restrict grease flow.

### Materials

Part No.	Ball	Race
Catalog No.	52100 Alloy Steel Chrome Plated†	Aluminum Bronze (AMPCO® 15), Cadmium Plated†
Catalog No. + S	"	4130 Alloy Steel Cadmium Plated†
Catalog No. + SS	"	CRES 17-4PH
Catalog No. + CR	CRES 440C	"
Catalog No. + CRP	CRES 440C, Chrome Plated†	"

† Plating: When specified in materials block, ball spherical diameter and ends are hard chrome plated per AMS-QQ-C-320, CL. 2 (.0002 to .0005 inch thickness). All external surfaces of race are cadmium plated per AMS-QQ-P-416.

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