

Magnets are listed by magnet manufacturer and may be used in all chassis adhering to class rules

“HOPRA Approved” Compression Molded Polymer Magnets

The gauss reading taken on the bottom surface of the traction or motor magnet shall not exceed the following criteria. This is taken after 5 min cool down period and at the lowest point on each magnet as it runs parallel to the rail. TRACTION: 1680 MOTOR: 1250				
Manufacturer	Part #	Description	Gauss Reading	
			(Year Submitted)	
CERAMIC GRADE "Level 4" SPEC STOCK / SPEC Racer	BSRT	#277 G-Force C4 H-D MOTOR	1230	(2020)
		#290 G-Force C4 MOTOR	1245	(2020)
		#284 G-Force C4 TRACTION	1664	(2020)
	Viper	12000 PRO-4 MOTOR	1220	(2015)
		22816 Viper Pro 4™ SR	1200	(2025)
		22737 Viper Pro 4 Maxi Traction	1625	(2023)
	SLOTTECH	12001 PRO-4 TRACTION	1600	(2015)
		#81C G6 MOTOR	1180	(2013)
		#86C G6 TRACTION	1630	(2013)
	Wizzard	WS60 Stock Storm MOTOR	1040	(2012)
		WS61 Stock Storm TRACTION	1275	(2012)
		FS40 Fusion Level 4 Polymer Motor Magnets	1210	(2019)
		FS41 Fusion Level 4 Polymer Traction Magnets	1610	(2019)
	RPMs	RPMsHF-L4-T Hyper-Force Level 4 Traction	1560	(2023)
		RPMsHF-LDM4 Hyper-Force Level 4 Motor	1235	(2023)

The gauss reading taken on the bottom surface of the traction or motor magnet shall not exceed the following criteria. This is taken after 5 min cool down period and at the lowest point on each magnet as it runs parallel to the rail. TRACTION: 2300 MOTOR: 2000				
Manufacturer	Part #	Description	Gauss Reading	
			(Year Submitted)	
HIGH LEVEL GRADE "Level 10" MODIFIED / COMPRESSION MOLDED POLYMER MODIFIED	BSRT	#276 G-Force P10 H-D MOTOR	1988 / 1607	(2013)/(2020)
		#292 G-Force P10 MOTOR	1669 / 1430	(2013)/(2020)
		#286 G-Force P10 TRACTION	2242 / 2189	(2013) /(2020)
	VIPER	12005 PRO-10 MOTOR	1715	(2015)
		12006 PRO-10 TRACTION	2145	(2015)
		12008 PRO-10 H-D MOTOR	1650	(2020)
		12007 PRO-10 HIGH TORQUE MOTOR	1720	(2020)
		22738 Pro 10 Maxi Traction	2000	(2023)
	SLOTTECH	#64 "Magneto" MOTOR	1354	(2013)
		#81 G13 MOTOR	1139	(2013)
		#86 Sampson G13 TRACTION	2045	(2013)
	Wizzard	MHP60 High Level Storm MOTOR	1607	(2012)
		MHP61 High Level Storm TRACTION	1545	(2012)
		MHP67 High Level Storm TRACTION	2095	(2014)
		FS70 Fusion Level 10 Polymer Motor Magnets	1430	(2019)
		FS71 Fusion Level 10 Polymer Traction Magnets	1830 / 2140	(2019) (2022)
	RPMs	RPMsHF-LDM10 Hyper-Force Level 10 Motor	1600	(2023)
		RPMsHF-HDM10 Hyper-Force Level 10 HD Motor	1700	(2023)
		RPMsHF-L10-T Hyper-Force Level 10 Traction	1900	(2023)

“HOPRA Approved” Ceramic Magnets

Ceramic magnets must be within 5% of the standard set submitted. The gauss reading taken on the bottom surface of the traction or motor magnet shall not exceed the following criteria. This is taken after 5 min cool down period and at the lowest point on each magnet as it runs parallel to the rail. TRACTION: 1500 MOTOR: 1200			
Manufacturer		Description	Gauss Reading (Year Submitted)
CERAMIC SUPER STOCK	BSRT	G3R/RS MOTOR	1190 (2020)
		G3R/RS TRACTION	1365 / 1462 (2020)
	SLOTTECH	T1 TRACTION	1275
		T1 MOTOR	1122
		T2 TRACTION	1330
		T2 MOTOR	1106
		T1X TRACTION	1312
		T1X MOTOR	1043
		G TECH TRACTION	1362
		Wizzard	P2 TRACTION
	P2 MOTOR		1480
	STORM TRACTION		1320
	STORM MOTOR		1011
	FUSION TRACTION		1277 / 1340 (2019) / (2020)
	FUSION MOTOR		1025 / 1180 (2019) / (2020)
	Viper	V1 MOTOR	1160 (2020)
		V1 TRACTION	1390 (2020)
		Maxi TRACTION	1425 (2023)
	RPMs	Hyper-Force Ceramic Motor	1145 (2023)
		Hyper-Force Ceramic Traction	1435 (2023)

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Spin Doctor E.R. is the official HOPRA Gauss Meter



Hold meter's probe parallel to magnets bottom (rail side) surface to get most accurate reading. Photos show example how meter is used.