



MOTORCYCLE COMPETITION VALVES HOLLOW STEM VALVES



To the wide selection of valves that **Ferrea** offer to the motorcycle market, we add the **Hollow Stem Lightweight Valve**, a unique piece that we manufacture gun drilling and micro polishing the hollow stem.

The use of light components in the valve train allows the increase in rpm's and a generation of more HP (hollow stem valves achieve a weight reduction of about 20% compare with conventional stainless steel solid-stem valve).

These **Ferrea** valves feature **radial grooves, friction welded tips, avionics chrome plated stems, super flo** to improve flow design **seat hardness** up to 42 HRc.

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
HARLEY DAVIDSON - EVOLUTION (1984/1998)						
F1055P	E	1.625	.310	4.531	.200	24° Super Flo. Special Alloy
F1054P	I	1.940	.310	4.444	.200	24° Super Flo. Special Alloy



*VRod Destroyer purpose built race bike by Harley-Davidson, Inc.
This bike utilizes factory Ferrea valves.*

MOTORCYCLE COMPETITION VALVES

For over a decade **Ferrea** has supplied many top race teams and elite engine builders with the best Competition Motorcycle Valve in the world. Whether it's a 14,000 rpm Pro Stock Motorcycle Titanium Valve or a 1000 hp + Top Fuel Super Alloy Valve, **Ferrea** has what you need. We have developed the motorcycle-racing valve implementing the same technology as our extreme duty, competition plus (automotive) racing valve. The net result is a valve that can withstand the punishment of extremely high rpm, multiple stages of nitrous injection, turbocharger and even blown fuel applications. No other valve even comes close to the performance and reliability of **Ferrea's**. Our valves have set more records in numerous categories worldwide than any other valve on the market.



We have expanded our **Motorcycle Valves** offering to include the **four stroke engines**, which are becoming the trend in off road racing. We have updated our **Japanese engine valve program** and also expanded our **Harley Davidson after-market engine valve** offering. We added many blank valves for any type of custom machining, usually within 7 to 10 days.

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
BRIGGS & STRATTON (STAINLESS STEEL)						
F0072	E	1.128	.247	3.845	.235	15° Super Flo-Go Kart & Jr. Dragster
F0073	E	1.167	.247	3.845	.235	15° Super Flo-Go Kart & Jr. Dragster
F0070	I	1.252	.247	3.845	.235	10° Super Flo-Go Kart & Jr. Dragster
F0071	I	1.291	.247	3.845	.235	10° Super Flo-Go Kart & Jr. Dragster
F0074	I	1.378	.247	3.845	.235	10° Super Flo-Go Kart & Jr. Dragster
F0075	I	1.400	.247	3.845	.235	10° Super Flo-Go Kart & Jr. Dragster
F0076	I	1.500	.247	3.845	.235	10° Super Flo-Go Kart & Jr. Dragster
BRIGGS & STRATTON (TITANIUM)						
F0082	E	1.141	.247	3.845	.235	15° Super Flo-Go Kart & Jr. Dragster
F0080	I	1.252	.247	3.845	.235	15° Super Flo-Go Kart & Jr. Dragster
F0081	I	1.378	.247	3.845	.235	10° Super Flo-Go Kart & Jr. Dragster
F0083	E/I	1.500	.247	4.800	BLANK	10° Super Flo-Go Kart & Jr. Dragster
BUELL XB9 (2002 - 2003)						
F0302	E	1.575	.2754	4.610	.100	25° Flo. Stock Size. Triple Groove
F0303	E	1.615	.2754	4.610	.100	25° Flo. Over Size. Triple Groove
F0300	I	1.810	.2755	4.520	.100	25° Super Flo. Stock Size. Triple Groove
F0301	I	1.840	.2755	4.520	.100	25° Super Flo. Over Size. Triple Groove
HARLEY DAVIDSON - EVOLUTION & TWIN CAM (1984/2004)						
F0501	E	1.572	.310	4.523	.200	25° Flo. Dish Head. Black Nitride
F0145	E	1.615	.310	4.531	.200	24° Flo. Stock Size
F0275	E	1.615	.310	4.531	.200	40° Flo. Stock Size
F0507	E	1.615	.310	4.523	.200	25° Flo. Flat Head. Black Nitride
F0500	E	1.615	.310	4.527	.205	25° Flo. Dish Head. Black Nitride
F0045	E	1.625	.310	4.531	.200	24° Flo. Oversize
F0251	E	1.625	.310	4.430	.180	Harley/Edelbrock
F0502	I	1.900	.310	4.441	.205	25° Flo. Over Size. Dish Head. Black Nitride
F0503	I	1.944	.310	4.444	.200	25° Flo. Over Size. Dish Head. Black Nitride
F0504	I	2.022	.310	4.438	.205	25° Flo. Dish Head. Black Nitride
HARLEY DAVIDSON - EVOLUTION (1984/1998)						
F0285	E	1.625	.310	4.511	.180	24° Flo. Over size. Harley/Edelbrock
F0143	E	1.750	.310	4.531	.200	24° Flo. Oversize
F0144	I	1.850	.310	4.444	.200	24° Flo. Stock Size
F0046	I	1.900	.310	4.444	.200	24° Flo. Oversize
F0284	I	1.940	.310	4.424	.180	24° Flo. Over size. Harley/Edelbrock
F0044	I	1.940	.310	4.444	.200	24° Flo. Oversize
F0252	I	2.000	.310	4.345	.180	Harley/Edelbrock
F0146	I	2.000	.310	4.444	.200	24° Flo. Oversize
F0317	I	2.100	.310	4.444	.200	24° Super Flo. Oversize
HARLEY DAVIDSON - SHOVEL HEAD (1966/1984)						
F0505	E	1.750	.375	3.830	.200	25° Flo. Dish Head. Black Nitride
F0027	E	1.755	.308	3.820	.205	28° Flo
F0026	I	1.950	.308	3.890	.183	21° Flo
F0506	I	1.956	.375	3.884	.200	20° Super Flo. Dish Head. Black Nitride
HARLEY DAVIDSON - TWIN CAM (2005-2008)						
F0349	E	1.575	.2754	4.531	.080	25° Flo. Stock size. Triple Groove
F0318(*)	E	1.615	.2754	4.561	.080	25° Flo. Oversize. Single Radial Groove
F0319	I	1.810	.2755	4.425	.080	22° Super Flo. Stock size. Triple Groove
F0320(*)	I	1.900	.2755	4.440	.080	22° Super Flo. Oversize. Single Radial Groove

Tech Note: (*) Ferrea valves with single radial groove must use Valve Lock # K10062. This Valve Lock works with either, Ferrea Titanium Retainer # E12028 or Factory Supplied Retainer.

MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
HARLEY DAVIDSON - VRSCA V ROD (2002-2003)						
F0210	E	34.4 mm	5.95 mm	116.98 mm	1.8 mm	21° Flo. Stock Size. Triple Groove
F0212	E	35.4 mm	5.95 mm	116.98 mm	1.8 mm	21° Flo. Over size. Triple Groove
F0209	I	40 mm	5.97 mm	116.28 mm	1.8 mm	19° Super Flo. Stock Size. Triple Groove
F0211	I	41 mm	5.97 mm	116.28 mm	1.8 mm	19° Super Flo. Over size. Triple Groove
HARLEY DAVIDSON XL 883						
F0312	E	1.350	.310	4.645	.200	24° Flo. Super Alloy
F0311	I	1.590	.310	4.526	.200	24° Flo.
HARLEY DAVIDSON (TITANIUM) DRAG RACE						
F0401	E	1.750	.310	5.600	BLANK	25°
F0402	E	1.850	.310	5.600	BLANK	22°
F0085	E	1.940	5/16	6.500	BLANK	25° Tulip Flo
F1384	E	2.000	5/16	7.000	BLANK	25° Tulip
F0089	I	2.100	5/16	5.600	BLANK	22° Tulip
F0084	I	2.300	5/16	6.500	BLANK	26° Tulip
HONDA CRF 250R (2004/2007) - MOTOCROSS -						
F0329	E	26.00 mm	4.97 mm	82.15 mm	1.0 mm	19° Flo. Dish Head. Stock size
F0330	E	27.00 mm	4.97 mm	82.15 mm	1.0 mm	19° Flo. Dish Head. + 1 mm oversize
F0355	I	31.10 mm	4.98 mm	82.90 mm	1.0 mm	20° Super Flo. Dish Head. Stock size
F0331	I	31.10 mm	4.98 mm	83.40 mm	1.0 mm	20° Super Flo. Dish Head. Stock size
F0356	I	32.10 mm	4.98 mm	82.90 mm	1.0 mm	20° Super Flo. Dish Head. +1 mm oversize
F0332	I	32.10 mm	4.98 mm	83.40 mm	1.0 mm	20° Super Flo. Dish Head. + 1 mm oversize
HONDA CRF 250R (2008) - MOTOCROSS -						
F0357	E	26.00 mm	4.47 mm	82.15 mm	1.0 mm	19° Flo. Dish Head. Stock size
F0358	E	27.00 mm	4.47 mm	82.15 mm	1.0 mm	19° Flo. Dish Head. + 1 mm oversize
F0355	I	31.10 mm	4.98 mm	82.90 mm	1.0 mm	20° Super Flo. Dish Head. Stock size
F0356	I	32.10 mm	4.98 mm	82.90 mm	1.0 mm	20° Super Flo. Dish Head. + 1 mm oversize
TECH NOTE: The INTAKE valves have an Overall Length -.5 mm shorter than stock length size						
HONDA CRF 450 (2002-2006) - MOTOCROSS -						
F0227	E	31mm	4.965mm	84.25mm	1.15mm	19° Flo. Dish Head. Stock size. Black Nitride
F0308	E	31mm	4.965mm	84.25mm	1.15mm	19° Flo. Dish Head. Stock size
F0299	E	32 mm	4.97 mm	84.25 mm	1.15 mm	19° Flo. Dish Head. Over Size.
F0248	I	36mm	5.49mm	84.6mm	1.15mm	20° Flo. Dish Head. Stock size. Black Nitride
F0305	I	36mm	5.49mm	84.6mm	1.15mm	20° Super Flo. Dish Head. Stock size
F0410	I	36mm	5.48mm	84.63mm	1.15mm	20° Flo. Dish Head. Stock size. TITANIUM
F0304	I	37mm	5.49mm	84.6mm	1.15mm	20° Super Flo. Dish Head. - 1mm oversize
F0409	I	37mm	5.48mm	84.63mm	1.15mm	20° Flo. Dish Head. - 1mm oversize. TITANIUM
F0408	I	38 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo-Dish Head. + 2mm Over Size. TITANIUM
HONDA CRF 450 (2007-2008) - MOTOCROSS -						
F0359	E	30 mm	4.965 mm	84.25 mm	1.15 mm	19° Flo. Dish Head. Stock size
F0227	E	31mm	4.965mm	84.25mm	1.15mm	19° Flo. Dish Head. + 1 mm oversize. Black Nitride
F0308	E	31mm	4.965mm	84.25mm	1.15mm	19° Flo. Dish Head. + 1 mm o/size
F0299	E	32 mm	4.97 mm	84.25 mm	1.15 mm	19° Flo. Dish Head. 2 mm oversize.
F0248	I	36mm	5.49mm	84.6mm	1.15mm	20° Flo. Dish Head. Stock size. Black Nitride
F0305	I	36mm	5.49mm	84.6mm	1.15mm	20° Super Flo. Dish Head. Stock size
F0410	I	36mm	5.48mm	84.63mm	1.15mm	20° Flo. Dish Head. Stock size. TITANIUM
F0304	I	37mm	5.49mm	84.6mm	1.15mm	20° Super Flo. Dish Head. - 1mm oversize
F0409	I	37mm	5.48mm	84.63mm	1.15mm	20° Flo. Dish Head. - 1mm oversize. TITANIUM
F0408	I	38 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo-Dish Head. + 2mm oversize. TITANIUM



The Honda CRF 450 Motorcycle of Jared Mees won championships in 2007-2008 with complete Ferrea Racing Valve-train.

MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
HONDA CBR 600 (1987/1988) / HONDA CBR 600F (1989/1990)						
F0091	E	21mm	5mm	74.75mm	3mm	19° Flo. Stock Size
F0191	E	22mm	5mm	74.75mm	3mm	19° Flo. Oversize
F0090	I	24mm	5mm	75.25mm	3mm	18° Super Flo. Stock Size
F0190	I	25mm	5mm	75.25mm	3mm	18° Super Flo. Oversize
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
HONDA TRX 450 (2004/2005)						
F0339	E	30mm	5.49mm	84.27mm	1.15mm	22° Flo Dish Head. Stock size
F0340	E	31mm	5.49mm	84.27mm	1.15mm	22° Flo Dish Head. + 1 mm Over size
F0248	I	36mm	5.49mm	84.6mm	1.15mm	20° Flo Dish Head. Stock size. Black Nitride
F0305	I	36mm	5.49mm	84.6mm	1.15mm	20° Super Flo Dish Head. Stock size.
F0410	I	36mm	5.48mm	84.63mm	1.15mm	20° Flo Dish Head. Stock size. Titanium
F0304	I	37mm	5.49mm	84.6mm	1.15mm	20° Super Flo Dish Head. + 1 mm Over size
F0409	I	37mm	5.48mm	84.63mm	1.15mm	20° Flo Dish Head. + 1 mm Over size. Titanium
F0408	I	38mm	5.48mm	84.63mm	1.15mm	20° Flo Dish Head. + 2 mm Over size. Titanium
HONDA CBR 600F2 (1991/1994) / HONDA CBR 600F3 (1995/1998)						
F0094	E	22mm	4mm	79.30mm	1mm	19° Flo Dish Head. Stock Size
F0294	E	22mm	4mm	79.30mm	1mm	19° Flo Flat Head. For pistons w/o dimples
F0194	E	23mm	4mm	79.30mm	1mm	19° Flo. Oversize
F0394	E	23 mm	4 mm	79.30 mm	1 mm	19° Flat Head (Kit Valve). Oversize
F0066	E	23mm	4mm	125mm	BLANK	21° Flo-No Groove-No Tip
F0092	I	25.50mm	4mm	79.25mm	1mm	18° Super Flo Dish Head. Stock Size
F0292	I	25.50mm	4mm	79.25mm	1mm	18° Super Flo Flat Head. For pistons w/o dimples
F0192	I	26.50mm	4mm	79.25mm	1mm	18° Super Flo. Oversize
F0392	I	26.5 mm	4 mm	79.25 mm	1 mm	19° Flat Head (Kit Valve). Oversize
F0064	E/I	26.5mm	4mm	125mm	BLANK	21° Flo-No Groove-No Tip
HONDA CBR 600RF4 (1999/2000)						
F0115	E	23mm	3.96mm	80.85mm	1mm	15° Flo Flat Head. Stock size
F0116	E	24mm	3.96mm	80.85mm	1mm	15° Flo Flat Head. + 1mm oversize
F0117	I	26.5mm	3.98mm	88mm	1mm	14° Flo Flat Head. Stock size
F0118	I	27.5mm	3.98mm	88mm	1mm	21° Flo Dish Head. Dble seat. + 1mm oversize
HONDA CBR 900RR (1993/1999)						
F0096	E	23.05mm	4.5mm	86.80mm	1.25mm	19° Flo. Stock Size
F0196	E	24.05mm	4.5mm	86.80mm	1.25mm	19° Flo. Oversize
F0063	E	26mm	4.5mm	125mm	BLANK	21° Super Flo-No Groove-No Tip
F0095	I	27.50mm	4.5mm	86.85mm	1.25mm	18° Super Flo. Stock Size
F0195	I	28.50mm	4.5mm	86.85mm	1.25mm	18° Super Flo. Oversize
F0062	I	34mm	4.5mm	125mm	BLANK	19° Super Flo-No Groove-No Tip
HONDA CBR 929R (2001)						
F0177	I	29 mm	4.48 mm	88.92 mm	1.25 mm	20° Flo Dish Head. Stock size
F0178	E	24 mm	4.46 mm	89.50 mm	1.25 mm	20° Flo Dish Head. Stock size
HONDA CBR 1100XX BLACKBIRD (1997/2000)						
F0119	E	27mm	4.96mm	92.68mm	1mm	19° Flo Dish Head. Stock size
F0124	E	28mm	4.96mm	92.68mm	1mm	19° Flo Dish Head. + 1mm oversize
F0125	I	31.93mm	4.98mm	92.2mm	1mm	19° Flo Dish Head. Stock size



Team Fish Suzuki Hayabusa runs 6.90's in the quarter mile.
Uses Ferrea Motorcycle Competition Valves.

MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
HONDA VTX 1800 (2001/2002)						
F0203	E	45 mm	7.97 mm	107.6 mm	2 mm	20° Super Flo. Stock size. 1 valve required.
F0204	E	36 mm	6.59 mm	105.55 mm	2 mm	20° Super Flo. Stock size. 2 valve required.
HONDA XR 250R (1996/1999)						
F0127	E	23.5 mm	4.95 mm	95.63 mm	4.1 mm	30° Flo Dish Head. Stock size.
F0128	E	24.5 mm	4.95 mm	95.63 mm	4.1 mm	30° Flo Dish Head. Stock size. + 1mm over size
F0129	I	28.5 mm	4.97 mm	95.58 mm	4.1 mm	20° Flo Dish Head. Stock size. Stock size.
F0130	I	29.5 mm	4.97 mm	95.58 mm	4.1 mm	20° Flo Dish Head. Stock size. + 1mm over size
HONDA XR 400R (1996/1999) / HONDA TXR 400EX QUAD (1999)						
F0131	E	29 mm	5.45 mm	101 mm	2.9 mm	30° Flo Dish Head. Stock size.
F0132	E	30 mm	5.45 mm	101 mm	2.9 mm	30° Flo Dish Head. Stock size. + 1mm over size
F0133	I	33 mm	5.47 mm	102.64 mm	2.9 mm	20° Flo Dish Head. Stock size.
F0134	I	34 mm	5.47 mm	102.64 mm	2.9 mm	20° Flo Dish Head. + 1mm over size
HONDA XR 500R (1981/1984)						
F0321	E	30.10 mm	6.55 mm	89.90 mm	4.75 mm	29° Flo Dish Head. Stock size
F0322	E	31.10 mm	6.55 mm	89.90 mm	4.75 mm	29° Flo Dish Head. + 1mm oversize
F0323	I	35.00 mm	6.57 mm	91.10 mm	4.75 mm	19° Flo Dish Head. Stock size
F0324	I	36.00 mm	6.57 mm	91.10 mm	4.75mm	19° Flo Dish Head. + 1mm oversize
HONDA XL 600R (1983/1987) / HONDA XR 600R (1985/1999)						
F0135	E	31mm	6.55mm	104.31mm	3mm	29° Flo Dish Head. Stock size
F0136	E	32mm	6.55mm	104.31mm	3mm	29° Flo Dish Head. + 1mm oversize
F0137	I	36mm	6.57mm	105.69mm	5.15mm	19° Flo Dish Head. Stock size
F0138	I	37mm	6.57mm	105.69mm	5.15mm	19° Flo Dish Head. + 1mm oversize
HONDA NX 650 (1988/1989) / HONDA XR 650L (1993/1999)						
F0135	E	31mm	6.55mm	104.31mm	3mm	29° Flo Dish Head. Stock size
F0136	E	32mm	6.55mm	104.31mm	3mm	29° Flo Dish Head. + 1mm oversize
F0137	I	36mm	6.57mm	105.69mm	5.15mm	19° Flo Dish Head. Stock size
F0138	I	37mm	6.57mm	105.69mm	5.15mm	19° Flo Dish Head. + 1mm oversize
KAWASAKI 250 (2004) - MOTOCROSS - (TITANIUM)						
F0412	E	25mm	4.46mm	79.1mm	1.03mm	25° Flo. Stock
F0414	E	26mm	4.46mm	79.1mm	1.03mm	25° Flo. + 1mm oversize
F0411	I	31mm	4.48mm	78.93mm	1.03mm	20° Flo. Stock
F0413	I	32mm	4.48mm	78.93mm	1.03mm	20° Flo. + 1mm oversize
KAWASAKI KFX 250 (2004/2005) - MOTOCROSS						
F0333	E	25mm	4.46mm	79.1mm	1.03mm	25° Flo. Stock
F0334	E	26mm	4.46mm	79.1mm	1.03mm	25° Flo. + 1mm oversize
F0335	I	31mm	4.48mm	78.93mm	1.03mm	20° Flo. Stock
F0336	I	32mm	4.48mm	78.93mm	1.03mm	20° Flo. + 1mm oversize
KAWASAKI NINJA 600 (1984/1995)						
F0020	E	20 mm	5 mm	79.3 mm	2.15 mm	25° Flo
F0021	I	23 mm	5 mm	80.5 mm	2.04 mm	25° Flo
F0067	I	30 mm	5 mm	135 mm		19° Super Flo-No Groove-No Tip
F0065	E/I	36 mm	5 mm	135 mm	BLANK	19° Super Flo-No Groove-No Tip
KAWASAKI NINJA 900 (1984/1986) / KAWASAKI NINJA 1000 (1986/1987)						
F0018	E	26 mm	5.5 mm	87.17 mm	2.37 mm	25° Flo. Oversize
F0019	I	30.5 mm	5.5 mm	89.15 mm	2.23 mm	25° Flo. Oversize
F0047	I	34 mm	5.5 mm	135 mm	BLANK	19° Super Flo-No Groove-No Tip
KAWASAKI KZ900 (1973/1977) / KAWASAKI KZ1000 (1977/1980)						
F0014	E	31 mm	7 mm	90 mm	5 mm	22° Flo. Oversize
F0004	E	33 mm	7 mm	135 mm	BLANK	22° Flo-No Groove-No Tip
F0345	E	33 mm	7 mm	135 mm	BLANK	22° Flo. Super Alloy. No Groove. No Tip
F0038	E	39 mm	7 mm	135 mm	BLANK	22° Tulip Flo. No Groove. No Tip
F0346	E	39 mm	7 mm	135 mm	BLANK	22° Flo. Super Alloy. No Groove. No Tip
F0015	I	37.5 mm	7 mm	92 mm	5 mm	20° Flo. Oversize

MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
KAWASAKI J MODEL 1000 (1981/1982) / KAWASAKI GPZ1100 (1981/1984)						
F0003	E	32 mm	7 mm	89.3 mm	4.9 mm	22° Flo. Stock Size
F0004	E	33 mm	7 mm	114 mm	BLANK	22° Flo-No Groove-No Tip
F0034	E	36 mm	7 mm	114 mm	BLANK	22° Flo-No Groove-No Tip
F0038	E	39 mm	7 mm	135 mm	BLANK	22° Tulip Flo-No Groove-No Tip
F0001	I	38.5 mm	7 mm	90.5 mm	4.8 mm	20° Flo. Oversize (J model)
F0002	I	42 mm	7 mm	114 mm	BLANK	20° Flo-No Groove-No Tip
F0039	I	46 mm	7 mm	135 mm	BLANK	16° Super Flo-No Groove-No Tip
KAWASAKI ZX6R (1995/1999)						
F0123	E	22.6mm	4mm	98.35mm	1.7mm	19° Flo. Stock Size
F0223	E	23.6mm	4mm	98.35mm	1.7mm	19° Flo. 1 mm Oversize
F0064	E/I	26.5mm	4mm	125mm	BLANK	21° Flo-No Groove-No Tip
F0122	I	27.0mm	4mm	96.90mm	1.7mm	19° Super Flo. Stock Size
F0222	I	28.0mm	4mm	96.90mm	1.7mm	19° Super Flo. 1 mm Oversize
F0232	I	30mm	4mm	135mm	BLANK	21° Super Flo
KAWASAKI ZX7R (1993/1995) / KAWASAKI ZX9R (1994/1997)						
F0098	E	25mm	4.5mm	92.05mm	1mm	19° Flo. Stock Size
F0198	E	26mm	4.5mm	92.05mm	1mm	19° Flo. 1 mm Oversize
F0063	E	26mm	4.5mm	125mm	BLANK	21° Super Flo-No Groove-No Tip
F0097	I	29mm	4.5mm	92.25mm	1mm	18° Super Flo. Stock Size
F0197	I	30mm	4.5mm	92.25mm	1mm	18° Super Flo. 1 mm Oversize
F0062	I	34mm	4.5mm	125mm	BLANK	19° Super Flo-No Groove-No Tip
KAWASAKI ZX7R (1996/1999)						
F0147	E	25mm	4.45mm	94.56mm	1.25mm	12° Flo Flat Head. Stock size
F0148	E	26mm	4.45mm	94.56mm	1.25mm	12° Flo Flat Head. + 1mm oversize
F0149	I	29mm	4.47mm	94.17mm	1.25mm	12° Flo Dish Head. Stock size
F0150	I	30mm	4.47mm	94.17mm	1.25mm	12° Flo Dish Head. + 1mm oversize
KAWASAKI ZX9R (1998/1999)						
F0139	E	26mm	4.45mm	93.03mm	1.25mm	12° Flo Flat Head. Stock size
F0140	E	27mm	4.45mm	93.03mm	1.25mm	12° Flo Flat Head. + 1mm oversize
F0141	I	30mm	4.47mm	92.44mm	1.25mm	12° Flo Dish Head. Stock size
F0142	I	31mm	4.47mm	92.44mm	1.25mm	12° Flo Dish Head. + 1mm oversize
KAWASAKI ZX10 (1988/1990)						
F0100	E	26mm	5mm	88.85mm	1.25mm	19° Flo. Stock Size
F0200	E	27mm	5mm	88.85mm	1.25mm	19° Flo. 1 mm Oversize
F0099	I	30mm	5mm	89.20mm	1.25mm	18° Super Flo. Stock Size
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0199	I	31mm	5mm	89.20mm	1.25mm	18° Super Flo. 1 mm Oversize
F0065	E/I	36mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
KAWASAKI ZX10 (2004/2005) -BUCKET-						
F0326	E	25.5mm	4.46mm	91.41mm	1.45mm	12° Flo. Dish Head. Stock Size
F0327	I	31mm	4.48mm	90.6mm	1.45mm	12° Flo. Dish Head. Stock Size
KAWASAKI ZX11 (1990/1999)						
F0101	E	27mm	5mm	88.9mm	1.25mm	19° Flo. Stock Size
F0201	E	28mm	5mm	88.9mm	1.25mm	19° Flo. 1 mm Oversize
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0102	I	31.5mm	5mm	89.25mm	1.25mm	18° Super Flo. Stock Size
F0202	I	32.5mm	5mm	89.25mm	1.25mm	18° Super Flo. 1 mm Oversize
F0065	E/I	36mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip

MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
KAWASAKI ZX12 (2000/2002) -BUCKET-						
F0180	E	28.35mm	4.95mm	98.52mm	1.35mm	12° Flo Dish Head. Stock size
F0179	I	33.39mm	4.97mm	97.80mm	1.35mm	10° Flo Dish Head. Stock Size
F0325	I	34.39mm	4.97mm	97.80mm	1.35mm	19° Super Flo. Dish Head. + 1mm Oversize
KAWASAKI ZX636R (2003/2004)						
F0316	E	22.60mm	3.96mm	87.9mm	1.6mm	19° Flo. Super Alloy
F0315	I	27.00mm	3.98mm	86.70mm	1.6mm	12° Flo. Special Alloy
SUZUKI 250 (2004) - MOTOCROSS - (TITANIUM)						
F0412	E	25mm	4.46mm	79.1mm	1.03mm	25° Flo. Stock
F0414	E	26mm	4.46mm	79.1mm	1.03mm	25° Flo. + 1mm oversize
F0411	I	31mm	4.48mm	78.93mm	1.03mm	20° Flo. Stock
F0413	I	32mm	4.48mm	78.93mm	1.03mm	20° Flo. + 1mm oversize
SUZUKI RMZ 250 (2004/2005) - MOTOCROSS						
F0333	E	25mm	4.46mm	79.1mm	1.03mm	25° Flo. Stock
F0334	E	26mm	4.46mm	79.1mm	1.03mm	25° Flo. + 1mm oversize
F0335	I	31mm	4.48mm	78.93mm	1.03mm	20° Flo. Stock
F0336	I	32mm	4.48mm	78.93mm	1.03mm	20° Flo. + 1mm oversize
SUZUKI DRZ 400 (2002-2003)						
F0217	E	29 mm	4.96 mm	81.75 mm	1.70 mm	22° Flo. Stock size
F0218	E	30 mm	4.96 mm	81.75 mm	1.70 mm	22° Flo. + 1 mm oversize
F0215	I	36 mm	4.98 mm	82.65 mm	1.70 mm	20° Super Flo. Stock size
F0216	I	37 mm	4.98 mm	82.65 mm	1.70 mm	20° Super Flo. + 1 mm oversize
SUZUKI 600 (1997/1998)						
F0246	E	22mm	4.46mm	97.38mm	1.7mm	19° Flo. Stock Size
F0236	E	23mm	4.46mm	97.38mm	1.7mm	21° Flo. 1mm Oversize
F0247	I	26.5mm	4.48mm	96.20mm	1.7mm	19° Super Flo. Stock Size
F0237	I	27.5mm	4.48mm	96.20mm	1.7mm	19° Super Flo. 1mm Oversize
SUZUKI GSXR 600 (2001-2002)						
F0290	E	22mm	3.97mm	91.2mm	1.8mm	23° Flo Dish Head. Stock Size
F0291	E	23mm	3.97mm	91.2mm	1.8mm	23° Flo Dish Head. +1mm Oversize
F0288	I	27.2mm	3.98mm	90.2mm	1.8mm	20° Flo Dish Head. Stock Size
F0289	I	28.2mm	3.98mm	90.2mm	1.8mm	20° Flo Dish Head. +1mm Oversize
SUZUKI GSXR 750 (1986/1987)						
F0022	E	24mm	5mm	87.75mm	2.75mm	21° Flo. Stock Size
F0023	E	25mm	5mm	87.75mm	2.75mm	21° Flo. 1 mm Oversize
F0024	I	27mm	5mm	88.25mm	2.85mm	19° Super Flo. Stock Size
F0025	I	28.5mm	5mm	88.25mm	2.85mm	19° Super Flo. 1.5 mm Oversize
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip



Larry "Spiderman" McBride makes the fastest 1/4 mile motorcycle pass in history with a 5.799 second run. The 8 time Top Fuel Motorcycle champion relies on Ferrea Super Alloy valves to keep his engine under control.

MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
SUZUKI GSXR 750 (1988/1989)						
F0022	E	24mm	5mm	87.75mm	2.75mm	21° Flo. Stock Size
F0055	E	26mm	5mm	87.75mm	3mm	21° Flo. Oversize
F0024	I	27mm	5mm	88.25mm	2.85mm	19° Super Flo. Stock Size
F0025	I	28.5mm	5mm	88.25mm	2.85mm	19° Super Flo. Stock Size
F0054	I	30mm	5mm	88.2mm	3mm	19° Super Flo. Oversize
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0065	E/I	36mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
SUZUKI GSXR 750 (1990)						
F0022	E	24mm	5mm	87.75mm	2.75mm	21° Flo. Stock Size
F0023	E	25mm	5mm	87.75mm	2.75mm	21° Flo. Oversize
F0055	E	26mm	5mm	87.75mm	3mm	21° Flo. Oversize
F0024	I	27mm	5mm	88.25mm	2.85mm	19° Super Flo. Stock Size
F0025	I	28.5mm	5mm	88.25mm	2.85mm	19° Super Flo. Oversize
F0054	I	30mm	5mm	88.2mm	3mm	19° Super Flo. Oversize
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0065	E/I	36mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
SUZUKI GSXR 750 (1991/1992)						
F0104	E	24mm	5mm	90mm	1.7mm	19° Flo. Stock Size
F0103	I	27mm	5mm	89.85mm	1.7mm	18° Super Flo. Stock Size
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
SUZUKI GSXR 750 (1993/1995) -WATERCOOLED-						
F0121	E	24mm	4.45mm	96.50mm	1.7mm	19° Flo Flat Head. Stock Size
F0221	E	25mm	4.45mm	96.50mm	1.7mm	19° Flo. Oversize
F0063	E	26mm	4.5mm	125mm	BLANK	21° Super Flo-No Groove-No Tip
F0120	I	27mm	4.45mm	96.50mm	1.7mm	19° Super Flo Flat Head. Stock Size
F0220	I	28mm	4.45mm	96.50mm	1.7mm	19° Super Flo. Oversize
F0062	I	34mm	4.5mm	125mm	BLANK	19° Super Flo-No Groove-No Tip
SUZUKI GSXR 750R -SRAD- (1996/1999)						
F0121	E	24mm	4.45mm	96.5mm	1.7mm	19° Flo Dish Head. Stock size
F0221	E	25mm	4.45mm	96.5mm	1.7mm	19° Flo Flat Head. + 1mm oversize
F0258	I	29mm	4.45mm	96.5mm	1.7mm	19° Super Flo Dish Head. Stock size
F0259	I	30mm	4.45mm	96.5mm	1.7mm	19° Super Flo Dish Head. + 1mm oversize
SUZUKI GSXR 750 (2000)						
F0273	E	24mm	3.96mm	95.67mm	1.7mm	14° Flo Dish Head. Stock size
F0274	E	25mm	3.96mm	95.67mm	1.7mm	14° Flo Dish Head. + 1mm oversize
F0271	I	29mm	3.98mm	95.4mm	1.7mm	14° Flo Dish Head. Stock size
F0272	I	30mm	3.98mm	95.4mm	1.7mm	14° Flo Dish Head. + 1mm oversize
SUZUKI GSXR 750 (TITANIUM) -ROAD RACE-						
F0088	E	24mm	4.5mm	96.4mm	1.6mm	15° Flo
F0087	I	29mm	4.5mm	96.3mm	1.6mm	15° Flo
SUZUKI SV 650 (1999/2002)						
F0297	E	25.5mm	4.47mm	86.2mm	1.7mm	22° Flo Dish Head. Stock Size
F0298	E	26.5mm	4.47mm	86.2mm	1.7mm	22° Flo Dish Head. +1mm Oversize

Sebastian Domingo's NLR Turbo Prostreet Bike powered by a Cooper Performance built turbo engine that exclusively uses Ferrea valves.



MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
SUZUKI SV 650 (1999/2002)						
F0295	I	31mm	4.48mm	94.8mm	1.7mm	20° Flo Dish Head. Stock Size
F0296	I	32mm	4.48mm	94.8mm	1.7mm	20° Flo Dish Head. +1mm Oversize
SUZUKI GSXR 1000 (2001-2002)						
F0273	E	24mm	3.96mm	95.67mm	1.7mm	19° Flo Dish Head. Stock Size
F0274	E	25mm	3.96mm	95.67mm	1.7mm	19° Flo Dish Head. +1mm Oversize
F0271	I	29mm	3.98mm	95.4mm	1.7mm	19° Flo Dish Head. Stock Size
F0272	I	30mm	3.98mm	95.4mm	1.7mm	19° Flo Dish Head. +1mm Oversize
SUZUKI TL 1000 (1998/1999)						
F0249	E	33mm	5.46mm	89.56mm	1.7mm	19° Flo. Stock Size
F0239	E	34mm	5.46mm	89.56mm	1.7mm	19° Flo. 1mm Oversize
F0250	I	40mm	5.48mm	99.50mm	1.7mm	19° Super Flo. Stock Size
F0240	I	41mm	5.48mm	99.50mm	1.7mm	19° Super Flo. 1mm Oversize
SUZUKI GSXR 1100 (1986/1990) -ADJUST. ROCKERS-						
F0036	E	26mm	5mm	85.3mm	2.8mm	21° Flo. Oversize
F0037	I	30mm	5mm	85.9mm	2.8mm	19° Super Flo. Oversize
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0068	I	31.5mm	5mm	85.90mm	2.8mm	19° Super Flo. Oversize
F0065	E/I	36mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
SUZUKI GSXR 1100 (1991/1992) -SHIM STYLE-						
F0106	E	25mm	5mm	87.20mm	1.7mm	19° Flo. Stock Size
F0206	E	26mm	5mm	87.20mm	1.7mm	19° Flo. Oversize
F0105	I	28.5mm	5mm	87.90mm	1.7mm	19° Super Flo. Stock Size
F0205	I	31mm	5mm	87.90mm	1.7mm	19° Super Flo. Oversize
F0067	I	30mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0065	E/I	36mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
SUZUKI GSXR 1100 (1993/1998) -WATERCOOLED-						
F0107	E	27mm	4.46mm	94.5mm	1.7mm	19° Flo. Stock Size
F0207	E	28mm	4.46mm	94.5mm	1.7mm	19° Flo. Oversize
F0108	I	31mm	4.46mm	94.8mm	1.7mm	19° Super Flo. Stock Size
F0208	I	32mm	4.46mm	94.8mm	1.7mm	19° Super Flo. Oversize
F0062	I	34mm	4.5mm	125mm	BLANK	19° Super Flo-No Groove-No Tip
SUZUKI GS 1100 (1980/1983)						
SUZUKI GS 1150 (1984/1986)						
F0007	E	24mm	5.5mm	85.9mm	4.10mm	21° Super Flo. Stock Size
F0008	E	26mm	5.5mm	85.9mm	4.10mm	21° Super Flo. Oversize
F0228	E	30mm	5.5mm	87.52mm	4.10mm	19° Flo-Top Fuel-Super Alloy
F0328	E	30mm	5.5mm	87.52mm	4.10mm	19° Top Fuel. Super Alloy
F0238	E	30mm	5.5mm	110mm	BLANK	19° Top Fuel. Super Alloy
F0005	I	28.5mm	5.5mm	86.52mm	4.10mm	19° Super Flo. Stock Size
F0006	I	31mm	5.5mm	86.52mm	4.10mm	19° Flo. Oversize
F0047	I	34mm	5.5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
SUZUKI GSX 1300R -HAYABUSA- (1999/2000)						
F0151	E	27.5mm	4.96mm	94.84mm	1.7mm	20° Flo Dish Head. Stock size
F0152	E	28.5mm	4.96mm	94.84mm	1.7mm	20° Flo Dish Head. + 1mm oversize
F0153	I	33mm	4.98mm	95.03mm	1.7mm	20° Flo Dish Head. Stock size
F0154	I	34mm	4.98mm	95.03mm	1.7mm	20° Flo Dish Head. + 1mm oversize

MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
YAMAHA YFM 80 - RAPTOR (2002-2004) - MOTOCROSS-						
F0225	E	20.00mm	4.97mm	64.75mm	4.00mm	25° Flo. Radial Groove
F0224	I	23.00mm	4.98mm	65.35mm	3.95mm	25° Flo. Radial Groove
YAMAHA YZF YZ 400F (1999) -5 VALVE ENGINE-						
F0165	E	27.96mm	4.95mm	82.02mm	1.7mm	25° Flo Dish Head. Stock size. 2 Valves required
F0166	E	28.96mm	4.95mm	82.02mm	1.7mm	25° Flo Dish Head. +1mm o/size. 2 Valves required
F0167	I	26.96mm	4.48mm	83.28mm	1.7mm	15° Flo Dish Head. Stock size. 1 Valve required
F0169	I	26.99mm	4.48mm	84.28mm	1.7mm	15° Flo Dish Head. Stock size. 2 Valves required
F0168	I	27.96mm	4.48mm	83.28mm	1.7mm	15° Flo Dish Head. +1mm o/size. 1 Valve required
F0170	I	27.99mm	4.48mm	84.28mm	1.7mm	15° Flo Dish Head. +1mm o/size. 2 Valves required
YAMAHA FZR 600R (1989/1999)						
YAMAHA YZF 600R (1998)						
F0110	E	21mm	4.5mm	87.7mm	1.7mm	19° Flo. Stock Size
F0063	E	26mm	4.5mm	125mm	BLANK	21° Super Flo-No Groove-No Tip
F0109	I	24mm	4.5mm	87.5mm	1.7mm	18° Super Flo. Stock Size
YAMAHA YZF 600R6 (1999/2000)						
F0155	E	22mm	3.96mm	94.09mm	1.7mm	25° Flo Flat Head. Stock size
F0156	E	23mm	3.96mm	94.09mm	1.7mm	25° Flo Flat Head. + 1mm oversize
F0157	I	24.95mm	3.98mm	94.25mm	1.7mm	20° Flo Dish Head. Stock size
F0158	I	25.95mm	3.98mm	94.25mm	1.7mm	20° Flo Dish Head. + 1mm oversize
YAMAHA YFM 660 - RAPTOR (2000/2003)						
F0181	I	30mm	5.97mm	100.7mm	4.8mm	19° Flo Dish Head. Stock size. 3 Valves required
F0185	I	31 mm	5.97 mm	100.7 mm	4.8 mm	19° S.Flo Dish Head.+1 mm o/size. 3 Valves required
F0182	E	32mm	5.95mm	92.70mm	4.8mm	25° Flo Dish Head. Stock size. 2 Valves required
F0186	E	33 mm	5.95 mm	92.7 mm	4.8 mm	25° Flo Dish Head. +1 mm o/size. 2 Valves required
YAMAHA 700R - GRIZZLY / RAPTOR / RHINO (2006/2009) - 4 VALVE ENGINE -						
F0341	E	32mm	5.96mm	96.18mm	4.3mm	21° Flo. Radial Groove
F0342	E	33mm	5.96mm	96.18mm	4.3mm	21° Flo. Radial Groove. + 1mm oversize
F0347	E	34mm	5.96mm	96.18mm	4.3mm	21° Flo. Radial Groove. + 2mm oversize
F0343	I	38mm	5.97mm	102.3mm	4.5mm	19° S Flo. Radial Groove.
F0344	I	39mm	5.97mm	102.3mm	4.5mm	19° S Flo. Radial Groove. + 1 mm oversize
F0348	I	40mm	5.97mm	102.3mm	4.5mm	19° S Flo. Radial Groove. + 2 mm oversize
YAMAHA FZR 1000 (1989/1995) -5 VALVE ENGINE-						
F0111	I	23.5mm	4.5mm	90.5mm	1.7mm	18° Super Flo - 1 Valve required. Stock Size
F0112	I	23.55mm	4.5mm	92mm	1.7mm	18° Super Flo - 2 Valves required. Stock Size
F0114	E	25.05mm	4.5mm	90.3mm	1.7mm	19° Flo - 2 Valves required. Stock Size
F0063	E	26mm	4.5mm	125mm	BLANK	21° Super Flo-No Groove-No Tip



Florida Atlantic University's Formula SAE entry competing in the Michigan 2008 competition. FAU achieve great success in the overall competition, in which 120 other schools participated.

MOTORCYCLE COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
YAMAHA YZF 1000R1 (1998/2000) -5 VALVE ENG. -						
F0159	E	24.45mm	4.46mm	89.16mm	1.7mm	24° Flo Dish Head. Stock size. 2 Valves required
F0160	E	25.45mm	4.46mm	89.16mm	1.7mm	24° Flo Dish Head. +1mm o/size. 2 Valves required
F0161	I	22.95mm	3.97mm	91.94mm	1.7mm	14° Flo Dish Head. Stock size. 2 Valves required
F0162	I	23.95mm	3.97mm	91.94mm	1.7mm	14° Flo Dish Head. +1mm o/size. 2 Valves required
F0163	I	23mm	3.97mm	90.65mm	1.7mm	14° Flo Dish Head. Stock size. 1 Valve required
F0164	I	24mm	3.97mm	90.65mm	1.7mm	14° Flo Dish Head. +1mm o/size. 1 Valve required
YAMAHA FJ 1100 (1984/1985)						
YAMAHA FJ 1200 (1986/1993)						
F0016	E	26mm	5.5mm	93.81mm	4.03mm	25° Super Flo
F0017	I	30.5mm	5.5mm	93.98mm	3.58mm	25° Super Flo
F0047	I	34mm	5.5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
YAMAHA XV 17PCP - WARRIOR - & XV 1600 - ROAD STAR - (2000/2002)						
F0276	E	28mm	5.97mm	95.95mm	3.8mm	25° Flo Dish Head. Stock size
F0277	E	29mm	5.97mm	95.95mm	3.8mm	25° Flo Dish Head. +1mm o/size
F0282	E	30mm	5.97mm	95.95mm	3.8mm	25° Flo Dish Head. +2mm o/size
F0281	E	31mm	5.97mm	95.95mm	3.8mm	25° Flo Dish Head. +3mm o/size
F0278	I	34mm	5.98mm	97.95mm	3.8mm	20° Super Flo Dish Head. Stock size
F0279	I	35mm	5.98mm	97.95mm	3.8mm	20° Super Flo Dish Head. +1mm o/size
F0280	I	36mm	5.98mm	97.95mm	3.8mm	20° Super Flo Dish Head. +2mm o/size



Riva Motorsports Sea Doo RXP supercharged ECU with Ferrea upgrade vaetrain.



Riva Motorsports & Supercharged Sea Doo RXP. Uses Ferrea vaetrain components.