

New

# MOTORCYCLE TITANIUM COMPETITION VALVES

New

MOTORCYCLE TITANIUM COMPETITION VALVES

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
<b>HARLEY DAVIDSON DRAG RACE.</b>						
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
<b>HONDA CRF 450 (2002-2006) - MOTOCROSS -</b>						
F0410	I	36 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo. Dish Head. Stock size.
F0409	I	37 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo. Dish Head. - 1mm oversize.
F0408	I	38 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo. Dish Head. - 2mm oversize
<b>HONDA CRF 450 (2007-2008) - MOTOCROSS -</b>						
F0410	I	36 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo. Dish Head. Stock size.
F0409	I	37 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo. Dish Head. - 1mm oversize.
F0408	I	38 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo-Dish Head. + 2mm oversize.
<b>KAWASAKI 250 (2004) - MOTOCROSS -</b>						
F0412	E	25 mm	4.46 mm	79.1 mm	1.03 mm	25° Flo. Stock
F0414	E	26 mm	4.46 mm	79.1 mm	1.03 mm	25° Flo. + 1mm oversize
F0411	I	31 mm	4.48 mm	78.93 mm	1.03 mm	20° Flo. Stock
F0413	I	32 mm	4.48 mm	78.93 mm	1.03 mm	20° Flo. + 1mm oversize
<b>SUZUKI 250 (2004) - MOTOCROSS -</b>						
F0412	E	25 mm	4.46 mm	79.1 mm	1.03 mm	25° Flo. Stock
F0414	E	26 mm	4.46 mm	79.1 mm	1.03 mm	25° Flo. + 1mm oversize
F0411	I	31 mm	4.48 mm	78.93 mm	1.03 mm	20° Flo. Stock
F0413	I	32 mm	4.48 mm	78.93 mm	1.03 mm	20° Flo. + 1mm oversize
<b>SUZUKI GSXR 750 - ROAD RACE -</b>						
F0088	E	24 mm	4.5 mm	96.4 mm	1.6 mm	15° Flo
F0087	I	29 mm	4.5 mm	96.3 mm	1.6 mm	15° Flo
<b>BLANKS</b>						
F0426	E	26 mm	3.97mm	100mm	BLANK	20° Back angle. Flo. Hi Temp.
F0427	E	28 mm	3.97mm	100mm	BLANK	20° Back angle. Flo. Hi Temp.
F0432	I	30 mm	3.98mm	100mm	BLANK	17° Back angle. Flo.
F0433	I	32 mm	3.98mm	100mm	BLANK	17° Back angle. Flo.
F0430	E	26 mm	4.46mm	100mm	BLANK	22° Back angle. Flo. Hi Temp.
F0431	E	28 mm	4.46mm	100mm	BLANK	22° Back angle. Overcut Flo. Hi Temp.
F0428	I	32 mm	4.48mm	100mm	BLANK	20° Back angle. Flo.
F0429	I	34 mm	4.48mm	100mm	BLANK	22° Back angle. Flo.
F0404	E	30 mm	4.98mm	135mm	BLANK	20° Flo. Hi Temp.
F0429	I	34 mm	4.48mm	100mm	BLANK	22° Back angle. Flo.
F0403	I	35 mm	4.98mm	135mm	BLANK	17° Super Flo.
F0255	E	33 mm	5.47mm	135mm	BLANK	19° Flat Head
F0254	I	41 mm	5.48mm	135mm	BLANK	19° Flat Head
F0042	E	32 mm	5.5mm	145mm	BLANK	26° Tulip Flo.
F0043	I	38 mm	5.5mm	135mm	BLANK	26° Tulip Super Flo.
F0235	E	34 mm	5.95mm	135mm	BLANK	21° Flo. Dish Head
F0234	I	40 mm	5.97mm	135mm	BLANK	19° Super Flo. Flat Head
F0405	E	40 mm	5.98mm	135mm	BLANK	16° Flo.
F0407	E	40 mm	5.98mm	135mm	BLANK	25° Flo.
F0406	I	50 mm	5.98mm	135mm	BLANK	12° Flo.
F0083	E/I	1.500	.247	4.800	BLANK	10° Super Flo-Go Kart & Jr. Dragster
F0040	E	40 mm	7mm	145mm	BLANK	26° Tulip Super Flo-Pro Stock
F0400	E	40 mm	7mm	145mm	BLANK	30° Tulip Super Flo-Pro Stock
F0041	I	50 mm	7mm	145mm	BLANK	25° Tulip Super Flo-Pro Stock
F0056	I	50 mm	7mm	145mm	BLANK	15° Super Flo-Pro Stock
F0420	I	50 mm	7mm	145mm	BLANK	19° Super Flo-Pro Stock
F0422	E	32.5 mm	7.095mm	145mm	BLANK	30°
F0421	I	39 mm	7.1mm	145mm	BLANK	19°
F0401	E	1.750 mm	.310	5.600	BLANK	25° HARLEY
F0402	E	1.850 mm	.310	5.600	BLANK	22° HARLEY
F0089	I	2.100 mm	.310	5.600	BLANK	22° HARLEY
F0085	E	1.940 mm	5/16	6.500	BLANK	25° Tulip Flo
F0084	I	2.300 mm	5/16	6.500	BLANK	25° Tulip Flo

2600 NW 55th Court, Suite 234 • Fort Lauderdale, FL 33309

Phone: (954) 733-2505 • (888) 733-2505 • Fax: (954) 735-2179

Website: www.ferrea.com • E-mail: ferrea@ferrea.com



# 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
<b>HARLEY DAVIDSON - EVOLUTION (1984/1998)</b>						
<b>F1055P</b>	E	1.625	.310	4.531	.200	24° Super Flo. Special Alloy
<b>F1054P</b>	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
<b>BRIGGS &amp; STRATTON (STAINLESS STEEL)</b>						
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
<b>BRIGGS &amp; STRATTON (TITANIUM)</b>						
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
<b>BUELL XB9 (2002 - 2003)</b>						
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
<b>HARLEY DAVIDSON - EVOLUTION &amp; TWIN CAM (1984/2004)</b>						
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
<b>HARLEY DAVIDSON - EVOLUTION (1984/1998)</b>						
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
<b>HARLEY DAVIDSON - SHOVEL HEAD (1966/1984)</b>						
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
<b>HARLEY DAVIDSON - TWIN CAM (2005-2008)</b>						
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
<b>HARLEY DAVIDSON - VRSCA V ROD (2002-2003)</b>						
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
<b>HARLEY DAVIDSON XL 883</b>						
F0312	E	1.350	.310	4.645	.200	24° Flo. Super Alloy
F0311	I	1.590	.310	4.526	.200	24° Flo.
<b>HARLEY DAVIDSON (TITANIUM) DRAG RACE</b>						
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
<b>HONDA CRF 250R (2004/2007) - MOTOCROSS -</b>						
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
<b>HONDA CRF 250R (2008) - MOTOCROSS -</b>						
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
<b>TECH NOTE: The INTAKE valves have an Overall Length -.5 mm shorter than stock length size</b>						
<b>HONDA CRF 450 (2002-2006) - MOTOCROSS -</b>						
F0227	E	31mm	4.965mm	84.25mm	1.15mm	19° Flo. Dish Head. Stock size. <b>Black Nitride</b>
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. <b>Black Nitride</b>
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. <b>TITANIUM</b>
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. <b>TITANIUM</b>
F0408	I	38 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo-Dish Head. + 2mm Over Size. <b>TITANIUM</b>
<b>HONDA CRF 450 (2007-2008) - MOTOCROSS -</b>						
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. <b>Black Nitride</b>
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. <b>Black Nitride</b>
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. <b>TITANIUM</b>
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. <b>TITANIUM</b>
F0408	I	38 mm	5.48 mm	84.63 mm	1.15 mm	20° Flo-Dish Head. + 2mm oversize. <b>TITANIUM</b>



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
<b>HONDA CBR 600 (1987/1988) / HONDA CBR 600F (1989/1990)</b>						
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
<b>HONDA TRX 450 (2004/2005)</b>						
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. <b>Black Nitride</b>
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. <b>Titanium</b>
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. <b>Titanium</b>
F0408	I	38mm	5.48mm	84.63mm	1.15mm	20° Flo Dish Head. + 2 mm Over size. <b>Titanium</b>
<b>HONDA CBR 600F2 (1991/1994) / HONDA CBR 600F3 (1995/1998)</b>						
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
<b>HONDA CBR 600RF4 (1999/2000)</b>						
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
<b>HONDA CBR 900RR (1993/1999)</b>						
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
<b>HONDA CBR 929R (2001)</b>						
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
<b>HONDA CBR 1100XX BLACKBIRD (1997/2000)</b>						
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
<b>HONDA VTX 1800 (2001/2002)</b>						
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.
<b>HONDA XR 250R (1996/1999)</b>						
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
<b>HONDA XR 400R (1996/1999) / HONDA TXR 400EX QUAD (1999)</b>						
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
<b>HONDA XR 500R (1981/1984)</b>						
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
<b>HONDA XL 600R (1983/1987) / HONDA XR 600R (1985/1999)</b>						
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
<b>HONDA NX 650 (1988/1989) / HONDA XR 650L (1993/1999)</b>						
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
<b>KAWASAKI 250 (2004) - MOTOCROSS - (TITANIUM)</b>						
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
<b>KAWASAKI KFX 250 (2004/2005) - MOTOCROSS</b>						
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
<b>KAWASAKI NINJA 600 (1984/1995)</b>						
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		19° Super Flo-No Groove-No Tip
<b>KAWASAKI NINJA 900 (1984/1986) / KAWASAKI NINJA 1000 (1986/1987)</b>						
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
<b>KAWASAKI KZ900 (1973/1977) / KAWASAKI KZ1000 (1977/1980)</b>						
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
<b>KAWASAKI J MODEL 1000 (1981/1982) / KAWASAKI GPZ1100 (1981/1984)</b>						
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
<b>KAWASAKI ZX6R (1995/1999)</b>						
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
<b>KAWASAKI ZX7R (1993/1995) / KAWASAKI ZX9R (1994/1997)</b>						
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
<b>KAWASAKI ZX7R (1996/1999)</b>						
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
<b>KAWASAKI ZX9R (1998/1999)</b>						
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
<b>KAWASAKI ZX10 (1988/1990)</b>						
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
<b>KAWASAKI ZX10 (2004/2005) -BUCKET-</b>						
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
<b>KAWASAKI ZX11 (1990/1999)</b>						
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
<b>KAWASAKI ZX12 (2000/2002) -BUCKET-</b>						
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
<b>KAWASAKI ZX636R (2003/2004)</b>						
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
<b>SUZUKI 250 (2004) - MOTOCROSS - (TITANIUM)</b>						
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
<b>SUZUKI RMZ 250 (2004/2005) - MOTOCROSS</b>						
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
<b>SUZUKI DRZ 400 (2002-2003)</b>						
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
<b>SUZUKI 600 (1997/1998)</b>						
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
<b>SUZUKI GSXR 600 (2001-2002)</b>						
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
<b>SUZUKI GSXR 750 (1986/1987)</b>						
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
<b>SUZUKI GSXR 750 (1988/1989)</b>						
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
<b>SUZUKI GSXR 750 (1990)</b>						
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
<b>SUZUKI GSXR 750 (1991/1992)</b>						
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
<b>SUZUKI GSXR 750 (1993/1995) -WATERCOOLED-</b>						
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
<b>SUZUKI GSXR 750R -SRAD- (1996/1999)</b>						
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
<b>SUZUKI GSXR 750 (2000)</b>						
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
<b>SUZUKI GSXR 750 (TITANIUM) -ROAD RACE-</b>						
F0088	E	24mm	4.5mm	96.4mm	1.6mm	15° Flo
F0087	I	29mm	4.5mm	96.3mm	1.6mm	15° Flo
<b>SUZUKI SV 650 (1999/2002)</b>						
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
<b>SUZUKI SV 650 (1999/2002)</b>						
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
<b>SUZUKI GSXR 1000 (2001-2002)</b>						
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
<b>SUZUKI TL 1000 (1998/1999)</b>						
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
<b>SUZUKI GSXR 1100 (1986/1990) -ADJUST. ROCKERS-</b>						
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
<b>SUZUKI GSXR 1100 (1991/1992) -SHIM STYLE-</b>						
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
<b>SUZUKI GSXR 1100 (1993/1998) -WATERCOOLED-</b>						
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
<b>SUZUKI GS 1100 (1980/1983)</b>						
<b>SUZUKI GS 1150 (1984/1986)</b>						
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
<b>SUZUKI GSX 1300R -HAYABUSA- (1999/2000)</b>						
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
<b>YAMAHA YFM 80 - RAPTOR (2002-2004) - MOTOCROSS-</b>						
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
<b>YAMAHA YZF YZ 400F (1999) -5 VALVE ENGINE-</b>						
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
<b>YAMAHA FZR 600R (1989/1999)</b>						
<b>YAMAHA YZF 600R (1998)</b>						
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
<b>YAMAHA YZF 600R6 (1999/2000)</b>						
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
<b>YAMAHA YFM 660 - RAPTOR (2000/2003)</b>						
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. <b>3 Valves required</b>
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. <b>2 Valves required</b>
<b>YAMAHA 700R - GRIZZLY / RAPTOR / RHINO (2006/2009) - 4 VALVE ENGINE -</b>						
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
<b>YAMAHA FZR 1000 (1989/1995) -5 VALVE ENGINE-</b>						
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
<b>YAMAHA YZF 1000R1 (1998/2000) -5 VALVE ENG. -</b>						
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
<b>YAMAHA FJ 1100 (1984/1985)</b>						
<b>YAMAHA FJ 1200 (1986/1993)</b>						
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
<b>YAMAHA XV 17PCP - WARRIOR - &amp; XV 1600 - ROAD STAR - (2000/2002)</b>						
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.*



# MOTORCYCLE COMPETITION VALVES - BLANKS

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
<b>BLANKS 4 - 5 MM ("REQUIRE LASH CAPS OR HARD TIPS")</b>						
F0066	E	23mm	4mm	125mm	BLANK	21° Flo-No Groove-No Tip
F0064	E/I	26.5mm	4mm	125mm	BLANK	21° Flo-No Groove-No Tip
F0232	I	30mm	4mm	135mm	BLANK	21° Super Flo
F0173	E	28.5mm	4.46mm	120mm	BLANK	12° Flo-No Groove-No Tip
F0171	I	31mm	4.48mm	120mm	BLANK	12° Flo. Bimetallic
F0172	I	31mm	4.48mm	120mm	BLANK	15° Flo. Bimetallic
F0063	E	26mm	4.5mm	125mm	BLANK	21° Flo-No Groove-No Tip
F0062	I	34mm	4.5mm	125mm	BLANK	19° Flo-No Groove-No Tip
F0183	E	29mm	4.95mm	130mm	BLANK	12° Flo
F0337	E	27mm	4.97mm	135mm	BLANK	19° Flo. Special Alloy. Bi-Metallic
F0069	E	34mm	4.97mm	140mm	BLANK	19° Flo. Super Alloy
F0184	I	34mm	4.97mm	130mm	BLANK	12° Flo
F0338	I	32.1mm	4.98mm	135mm	BLANK	19° Super Flo. Dish Head
<b>BLANKS 5 - 6 MM ("REQUIRE LASH CAPS OR HARD TIPS")</b>						
F0067	I	30mm	5mm	135mm	BLANK	19° Flo-No Groove-No Tip
F0065	E/I	38mm	5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0242	E	34mm	5.48mm	135mm	BLANK	15° Flat Head
F1943P	E	32mm	5.48mm	140mm	BLANK	22° Flo. Super Alloy Turbo Applications
F1459P	E	32mm	5.48mm	135mm	BLANK	22° Flo. Super Alloy
F1457P	I	37mm	5.48mm	135mm	BLANK	20° Super Flo
F0241	I	41mm	5.48mm	135mm	BLANK	14° Flat Head
F0231	E	30mm	5.5mm	135mm	BLANK	19° Dish Head. Top Fuel. Super Alloy
F0238	E	32mm	5.5mm	135mm	BLANK	22° Flo-No Groove-No Tip
F0047	I	34mm	5.5mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0233	I	36mm	5.5mm	135mm	BLANK	22° Super Flo. HONDA
F0253	I	42mm	5.5mm	135mm	BLANK	19° Super Flo
F1492P	E	34mm	5.95mm	140mm	BLANK	21° Tulip Flo. Bimetallic Super Alloy
F1942P	E	34mm	5.95mm	140mm	BLANK	21° Flo. Super Alloy Turbo Applications
F0176	E	36mm	5.95mm	135mm	BLANK	21° Flo
F0175	E	36mm	5.96mm	135mm	BLANK	21° Super Flo-No Groove-No Tip
F1580P	I	36mm	5.97mm	145mm	BLANK	12° Super Flo-No Groove-No Tip. Special Alloy
F1581P	I	38mm	5.97mm	145mm	BLANK	15° Super Flo-No Groove-No Tip. Special Alloy
F0174	I	42mm	5.97mm	135mm	BLANK	19° Super Flo-No Groove-No Tip
F0293	I	46mm	5.97mm	145mm	BLANK	19° Super Flo. Special Alloy
F1582P	I	46mm	5.97mm	145mm	BLANK	12° Super Flo-No Groove-No Tip
<b>BLANKS 6 - 7 MM ("REQUIRE LASH CAPS OR HARD TIPS")</b>						
F0060	I	40mm	6mm	145mm	BLANK	19° Super Flo-No Groove-No Tip
F1595P	E	31mm	6.02mm	145mm	BLANK	25° Flo Special Alloy
F1596P	I	36mm	6.03mm	145mm	BLANK	19° Super Flo
F1455P	E	32.5mm	6.55mm	135mm	BLANK	22° Flo. Super Alloy
F1941P	E	32.5mm	6.55mm	140mm	BLANK	22° Flo. Super Alloy Turbo Applications
F1453P	E	36mm	6.57mm	135mm	BLANK	20° Super Flo
F1438P	I	38mm	6.58mm	135mm	BLANK	20° Super Flo
F1585P	E	34mm	6.95mm	145mm	BLANK	15° Flo-No Groove-No Tip. Special Alloy
F1586P	I	39mm	6.97mm	145mm	BLANK	12° Super Flo-No Groove-No Tip. Special Alloy
F1419P	E	34.5mm	6.98mm	135mm	BLANK	30° Flo
F1418P	I	40mm	6.98mm	135mm	BLANK	20° Super Flo
F0077	E	1.750	.275	5.710	BLANK	24° Tulip Flo. Special Alloy. Harley Davidson
F0078	I	2.100	.275	5.710	BLANK	24° Tulip Flo. Harley Davidson

# MOTORCYCLE COMPETITION VALVES - BLANKS

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
<b>BLANKS 7 - 8 MM ("REQUIRE LASH CAPS OR HARD TIPS")</b>						
F0004	E	33mm	7mm	135mm	BLANK	22° Flo. No Groove. No Tip
F0345	E	33mm	7mm	145mm	BLANK	22° Flo. Super Alloy. No Groove. No Tip
F0034	E	36mm	7mm	135mm	BLANK	22° Flo. No Groove. No Tip
F0038	E	39mm	7mm	135mm	BLANK	22° Tulip Flo. No Groove. No Tip
F0346	E	39mm	7mm	145mm	BLANK	22° Flo. Super Alloy. No Groove. No Tip
F0303B	E	41 mm	7 mm	117 mm	2.5 mm	25° Flo. Over Size. Triple Groove
F0002	I	42mm	7mm	135mm	BLANK	20° Flo. No Groove. No Tip
F0039	I	46mm	7mm	145mm	BLANK	12° Flo. No Groove. No Tip
F0301B	I	46 mm	7 mm	114.8 mm	2.5 mm	25° Super Flo. Over Size. Triple Groove
F2162P	E	32mm	7.09mm	145mm	BLANK	R. 12mm Flo. Flat Head
F2163P	I	38mm	7.10mm	145mm	BLANK	19° Super Flo. Flat Head
F0230	E	41mm	7.96mm	135mm	BLANK	20° Super Flo. DUCATI
F0029	E	1.750	.308	5.118	BLANK	24° Flo. No Groove. No Tip
F0229	I	47mm	7.98mm	135mm	BLANK	20° Super Flo. DUCATI
F1182P	E	41mm	8mm	135mm	BLANK	15° Finished. No Groove
F1442P	I	44mm	8mm	110mm	8.5mm	10°
F1192P	I	48mm	8mm	135mm	BLANK	26° Finished. No Groove



NRHS V-Twin sets 4 new records at Bonneville Salt Flats in 2007 using Ferrea Valve-train components.