

MODEL #	WEIGHT	FLANGE DIAMETER	SIS COMPATIBILITY	OVER LOCK NUT DIMENSION	CENTER TO FLANGE (L)	CENTER TO FLANGE (R)
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DURA-ACE

FH-7900		52.8/53.8(L/R)		130MM	20.15MM	36.35MM
HB-7900		48.4MM		100MM	37MM	37MM
FH-7850		44(L)/45(R)	8/9/10S	100mm	36.9mm	21.1mm
HB-7800	129g	40mm		100mm	37mm	37mm
FH-7800/7801	264g	44mm	HG10S	130mm	36.35mm	20.55mm
HB-7700	119g	38mm		100mm	37mm	37mm
HB-7400	228g	38mm		100mm	37mm	37mm
FH-7700	375g	44mm	HG8/9/10S	130mm	36.9mm	21.1mm
FH-7403	439g	44mm	HG8/9/10S	130mm	36.9mm	21.1mm
HB-7710-F	203g	38mm		100mm	35.4mm	35.4mm
HB-7710-R	298g	44mm	Dual Cog	120mm	31.9mm	31.9mm
HB-7710-R	298g	44mm	Single Cog	120mm	36.3mm	33mm
FH-6500	266g	45mm	HG8/9/10S	130mm	32.5mm	20.5mm

ULTEGRA

HB-6600	140g	38mm		100mm	35.8mm	35.8mm
FH-6600	347g	45mm	HG8/9/10S	130mm	38.4mm	20.8mm
HB-6500	198g	38mm		100mm	35.5mm	35.5mm
HB-6400	212g	38mm		100mm	36.3mm	36.3mm
FH-6401	423g	45mm	HG7S	126mm	37.3mm	20.7mm
FH-6402	426g	45mm	HG8/9/10S	130mm	37.1mm	20.9mm

105

HB-5600	150g	38mm		100mm	35.8mm	35.8mm
FH-5600	353g	45mm	HG8/9/10S	130mm	38.4mm	20.8mm
HB-5500	207g	38mm		100mm	35.5mm	35.5mm
FH-5500	286g	45mm	HG8/9/10S	130mm	32.5mm	20.5mm
HB-5501	148g	38mm		100mm	37.0mm	35.5mm
FH-5501	348g	45mm	HG8/9/10S	130mm	36.9mm	21.1mm
HB-1055	216g	38mm		100mm	36.3mm	36.3mm
FH-1056	427g	45mm	HG8/9/10S	130mm	37.1mm	20.9mm
FH-1055	415g	45mm	HG7S	126mm	37.3mm	20.7mm

TIAGRA

HB-4400	212	38mm		100mm	35.5mm	35.5mm
FH-4400	426g	45mm	HG8/9/10S	130mm	38.7mm	21.3mm
FH-4500		45MM		130MM	20.55MM	37.55MM
HB-4500		38MM		100MM	35.8MM	35.8MM

SORA

HB-3300	212g	38mm		100mm	35.5mm	35.5mm
FH-3300	426g	45mm	HG8/9/10S	130mm	38.7mm	21.3mm
HB-C900		44.2mm		100mm	30.3mm	30.3mm

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NEXAVE

FH-C900	37.8 (L)	HG8/9S	135mm	33.15mm	21.25mm
	47.3 (R)				
HB-C901	37.8 (L)		100mm	33.5mm	25.7mm
	44.2 (R)				
FH-C901	37.8 (L)	HG8/9S	135mm	33.15mm	21.25mm
	47.3 (R)				
HB-T400	38mm	HG8/9S	100mm	35.8mm	35.8mm
FH-T400	45mm		135mm	36.8mm	23.2mm
HB-T300	38mm	HG7S	100mm	35.8mm	35.8mm
FH-T300	45mm		130/135mm	38.1mm	22.5mm
HB-IM50	52mm	HG8/9/10S	100mm	35.8mm	35.8mm
FH-IM50	45mm		135mm	36.8mm	23.2mm
HB-IM45	52mm	HG7S	100mm	35.8mm	35.8mm
FH-IM45	45mm		130mm	38.1mm	22.5mm
HB-IM70	70mm	HG8/9S	100mm	24.2mm	32.6mm
FH-IM70	45mm		135mm	36.8mm	23.2mm
HB-M475	61mm	HG8/9S	100mm	24.2mm	35.2mm
FH-M475	61mm		135mm	35.35mm	21.75mm
HB-M530	38mm	HG8/9S	100mm	35.8mm	35.8mm
FH-M530	45mm		135mm	37.2mm	22mm

NEXUS

SG-8R25	92.6mm	132mm	30.25mm	24.85mm
SG-8R20	92.6mm			
SG-8C20	92.6mm	132.3mm	30.1mm	25mm
SG-7R46	84.4mm	130mm	29.55mm	21.85mm
SG-7C26	87mm	127mm	28.3mm	23.21mm
SG-7C16	83.5mm	127mm	31.45mm	22.25mm
SG-4R41	83.5mm	130mm	29.6mm	21.7mm
SG-4R35	83.5mm	130mm	29.6mm	21.7mm
SG-3R40	70mm	120/127mm	26.4mm	24.8mm

DX

SG-3C41	59mm	120/127mm	28.8mm	26.4mm
HB-MX66	44.6mm	100mm	35.8mm	35.8mm
FH-MX66	38mm	112mm	29mm	29mm
HB-MX70	40mm	100mm	37mm	37mm
FH-MX70	45mm	112mm	28.7mm	28.7mm

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XTR

		40mm(R)				
HB-M976	220g	52mm		110mm	25.18mm	36.38mm
HB-M970		40mm		100mm	37mm	37mm
FH-M975	270g	44mm(L)	HG8/9S	135mm	35.3mm	22.1mm
		45mm(R)				
HB-M978		52.8MM		100MM	24.62MM	35.42MM
FH-M970		44mm(L)	HG8/9S	135mm	35.3mm	22.1mm
		45mm(R)				
HB-M965	150g	44mm(L)		100mm	24.8mm	35.8mm
		38mm(R)				
HB-M960	137g	38mm		100mm	35.8mm	35.8mm
FH-M965	310g	45mm	HG8/9S	135mm	35.35mm	23.05mm
FH-M960	315g	45mm	HG8/9S	135mm	35.35mm	23.05mm
HB-M950	190g	45mm		100mm	35.8mm	35.8mm
FH-M950	371g	45mm	HG8/9S	135mm	26.8mm	23.2mm

SAINT

		61.6MM		110MM	25.2MM	36.4MM
HB-M810		56mm		110mm	24.95mm	35.95mm
HB-M800	295g	57mm		110mm	24.95mm	35.05mm
HB-M801	295g	57mm		110mm	24.95mm	35.05mm
FH-M810		53.8MM		135MM	22.1MM	35.3MM
FH-M815		53.8MM		150MM	30.6MM	43.8MM
FH-M800	482g	61mm	HG8/9S	135mm	35.3mm	21.8mm
FH-M801	482g	61mm	HG8/9S	135mm	35.35mm	21.75mm
FH-M805	526g	61mm	HG8/9S	150mm	42.7mm	29.3mm
FH-M806	526g	61mm	HG8/9S	150mm	42.7mm	29.3mm

XT

		52.8MM		100MM	24.62MM	35.42MM
HB-M778		52.8MM		100MM	24.62MM	35.42MM
FH-M770		44(I)/45(R)	819S	135mm	35.3mm	22.1mm
HB-M770		40mm	819S	100mm	37.0mm	37.0mm
FH-M775		44(L)/45(R)	819S	135mm	35.3mm	22.1mm
HB-M775		44(L)/41(R)	819S	100mm	24.8mm	35.8mm
HB-M776		52mm	819S	110mm	25.2mm	36.4mm
HB-M765	180g	44(L)/38(R)		100mm	24.8mm	35.8mm
HB-M760	150g	38mm		100mm	35.8mm	35.8mm
FH-M765	369g	45mm	HG8/9S	135mm	23.05mm	35.35mm
FH-M760	370g	45mm	HG8/9S	135mm	37.55mm	21.75mm
HB-M758		68.6/64.6(L/R)		100MM	24.3MM	34.8MM
HB-M756	244g	61mm		100mm	35.8mm	35.8mm
FH-M756	435g	61mm	HG8/9S	135mm	32.15mm	18.55mm

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HONE

HB-M600	201g	44mm		100mm	24.8mm	35.4mm
FH-M600	442g	45mm	HG8/9S	135mm	35.35mm	22.05mm

SLX

FH-M665	52.8MM		100MM	24.8MM	35.4MM	
HB-M665	52.8MM		100MM	24.8MM	35.4MM	
HB-M667	61.6MM		110MM	25.2MM	36.4MM	

LX

HB-M585	201g	44mm		100mm	24.8mm	35.4mm
HB-M580	158g	38mm		100mm	35.8mm	35.8mm
FH-M585	389g	45mm	HG8/9S	135mm	35.35mm	22.05mm
FH-M580	376g	45mm	HG8/9S	135mm	37.2mm	22mm
HB-M570	205g	38mm		100mm	35.8mm	35.8mm
FH-M570	426g	45mm	HG8/9S	135mm	36.8mm	23.2mm

DEORE

HB-M495		52.8MM		100MM	24.8MM	35.4MM
HB-M525	70.6MM		100MM	24.2MM	35.2MM	
HB-M535	200g	44mm		100mm	24.8mm	35.4mm
HB-M530	155g	38mm		100mm	35.8mm	35.8mm
FH-M535	390g	45mm	HG8/9S	135mm	35.35mm	22.05mm
FH-M530	380g	45mm	HG8/9S	135mm	37.2mm	22mm
HB-M555*	236g	37.8mm(L)		100mm	33.5mm	25.7mm
		44.2mm(R)				
FH-M555*	421g	37.8mm(L)	HG8/9S	135mm	33.15mm	21.25mm
		47.3mm(R)				
HB-M525	245g	61mm		100mm	31.7mm	21.1mm
FH-M525	449g	61mm	HG8/9S	135mm	32.15mm	18.55mm
HB-M510	218g	42mm		100mm	35.8mm	35.8mm
FH-M510	426g	45mm	HG8/9S	135mm	36.8mm	36.8mm

* On large flange side, subtract 1.5mm from spoke length. On small flange side, add 1.5mm to spoke length.