

FRAME ORDER SYSTEM

● PRESTIGE O.S. MTB ● PRESTIGE MTB CONCEPT ● PRESTIGE MTB

PRESTIGE O.S. MTB Tube

Product	Description	Part No.	Outside Diameter D	Thickness T ₁ -T ₂ -T' ₁	Butted Part		Tapered Part		Thinned Part C	Total Length L	Weight (g)
					ℓ ₁	ℓ' ₁	ℓ ₂	ℓ' ₂			
Top Tube	Taper D.B.T.	3448	31.8	1.0/0.9~0.6~0.9	50	120	40	40	350	600	319
Down Tube	Taper D.B.T.	3460	34.9	1.0/0.9~0.6~0.9	50	120	40	40	400	650	377
Seat Tube	Taper S.B.T.	3454	31.8	1.0/0.9~0.6	60	—	40	—	510	610	302
	B.B.T.	3456	31.8/33.2	0.9~0.6~1.3	190	80	30	20	250	570	360
Head Tube	S.B.T.	3457	31.8	0.9~0.6	100	—	150	—	460	610	310
	P.G.	3407	36.4	1.2	—	—	—	—	—	200	208

Product	Description	Part No.	Outside Diameter			Thickness T	Straight Part ℓ ₁	Tapered Part ℓ ₂	Total Length L	Weight (g)
			D ₁	D ₃	D ₂					
Seat Stay	D.T.P.	3504	15.0	19.1	11.0	0.7	280	320	600	335
Chain Stay	S.T.P.	3552	22.2	—	13.0	0.8	140	300	440	400

See right page about Fork Stem and Fork Blade.

PRESTIGE MTB CONCEPT Tube

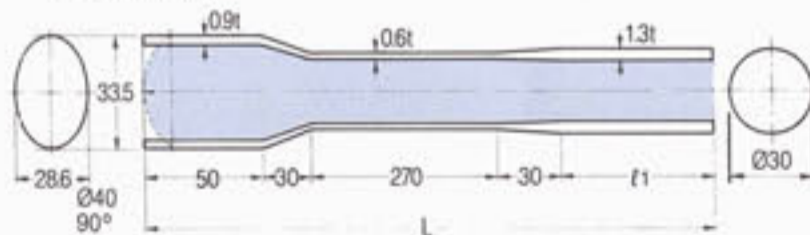
Product	Description	Part No.	Outside Diameter D	Thickness T ₁ -T ₂ -T' ₁	Butted Part		Tapered Part		Thinned Part C	Total Length L	Weight (g)
					ℓ ₁	ℓ' ₁	ℓ ₂	ℓ' ₂			
Top Tube	D.B.T.	4410	34 × 30 ~ 30 × 27.2	0.9~0.6~0.9	110	100	50	50	290	600	311
Down Tube	D.B.T.	4430	34 × 30 ~ 30 × 27.2	0.9~0.6~0.9	160	100	50	50	290	650	342
Seat Tube	B.B.T.*	4450	30.0~33.5 × 28.6	1.3~0.6~0.9	125	135	30	50	270	610	314

Product	Description	Part No.	Outside Diameter			Thickness T	Straight Part ℓ ₁	Tapered Part ℓ ₂	Total Length L	Weight (g)
			D ₁	D ₃	D ₂					
Seat Stay	D.T.P.	4501	15.0	19.1	11.0	0.7	280	320	600	335
Chain Stay	S.T.P.	4551	22.2	—	13.0	0.8	140	300	440	400

See right page about Head Tube, Fork Stem, and Fork Blade.

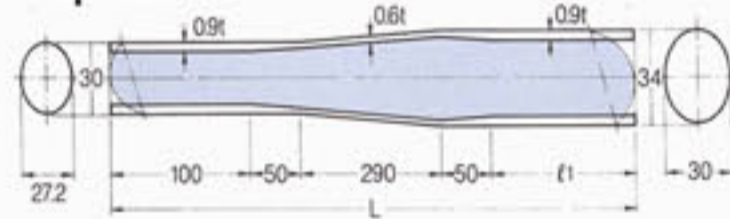
Features of the Prestige Concept Tubes

Seat Tube



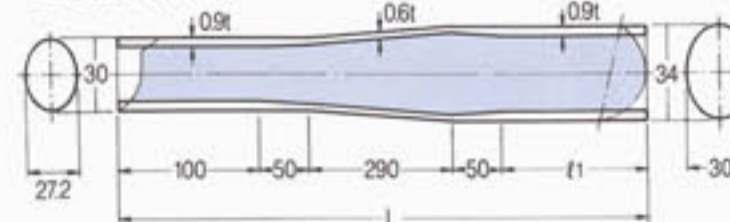
The Prestige Concept seat tube uses an enlarged oval at the bottom bracket and a unique bulge-butted round end at the top tube end. Bulge butting is a new process that adds the extra wall thickness to the outside tube diameter. (wall thickness: oval 0.9mm/center 0.6mm/bulge butt 1.3mm)

Top Tube



Prestige Concept uses an oval-shaped top tube featuring an enlarged outer diameter at the head tube end. The high-tech appearance is further enhanced by greater frame strength with minimum weight increase. (wall thickness: 0.9/0.6/0.9mm)

Down Tube



Prestige Concept down tube features the same configuration as the top tube. Its oval shape, with a larger outside diameter at the head tube end, improves frame strength and adds a distinctive new look. (wall thickness: 0.9/0.6/0.9mm)

PRESTIGE Mountain Bike Tube

Product	Description	Part No.	Outside Diameter D	Thickness T ₁ -T ₂ -T' ₁	Butted Part		Tapered Part		Thinned Part C	Total Length L	Weight (g)	
					ℓ ₁	ℓ' ₁	ℓ ₂	ℓ' ₂				
Top Tube	D.B.T.	3434	28.6	0.9~0.6~0.9	80	130	50	50	290	600	274	
		3436		1.0~0.7~1.0	—	—	—	—	—	—	—	309
Down Tube	D.B.T.	3442	31.8	0.9~0.6~0.9	100	160	50	50	290	650	370	
		3444		1.0~0.7~1.0	—	—	—	—	—	—	—	419
		3446		1.2~0.9~1.0	100	160	50	50	290	650	407	
Seat Tube	Q.B.T.	3443	31.8	1.1~0.8~0.6~0.9	75	110	50	50	240	650	403	
		3452		0.9~0.6	100	—	50	—	460	610	274	
Head Tube	T.B.T.	3450	28.6	1.0~0.8~0.6	200	160	50	50	150	610	324	
		3406		33.0	1.5	—	—	—	—	—	200	233
		3400	31.8	1.0	—	—	—	—	—	200	152	

Product	Description	Part No.	Outside Diameter			Thickness T	Straight Part ℓ ₁	Tapered Part ℓ ₂	Total Length L	Weight (g)
			D ₁	D ₂	D ₁ × D' ₁					
Seat Stay	S.T.P.	3503	15.9	11.0	—	0.8	280	320	600	358
Chain Stay	S.T.P.	3552	22.2	13.0	—	0.8	140	300	440	330
		3610	25.4	13.0	29.8 × 19.8	1.2*	120	300	420	460
		3612	25.4	14.5	(Round)	1.3~1.1‡	130	300	430	524
		3613	28.6	16.5	(Round)	1.2~1.0‡	130	300	430	504
		3614	27.0	16.5	31.0 × 23.0	1.2‡	130	300	430	545
Fork Blade	S.T.P.	3615	28.6	20.0	—	1.2~0.9‡	130	300	430	334

■ Uni-crown Shape. * Even-thick Oval Tube for Crown Type. † Single Butted Tube (S.B.T.) for Uni-crown Type. ‡ Even-thick Tube for Uni-crown Type.

PRESTIGE MTB Fork Stem

	Part No.	D ₁	D ₂	T ₁	T ₂	ℓ	L	Weight (g)
Fork Stem	3701	25.4	22.2	2.7	1.6	65	280	281
	3707	28.6	25.4	2.3	1.6	65	280	332

OVERSIZE TUBING

It's large but lean. Tange O.S. is a super-strong large diameter tubing that's amazingly light. O.S. tubes have been developed to meet the demand for everything from bullet-proof mountain bikes to rugged lightweight road racers.

TANGE TAPER BUTTED TUBING

The Prestige O.S. MTB double butted tubes (top and down tubes) have a unique taper butted design. The wall thickness is tapered over the butted portion of the tube. The result is reduced weight, and increased strength and a more even distribution of stress.

SHORT BUTT/SHORT TAPER

Because TIG welding and quality fillet brazing heat a shorter length of the tube end, the butt doesn't have to be as long as that needed for lugged frame construction. That's why the O.S. top tube, down tube, and seat tube feature short butts and short tapers that save weight. The taper is shorter too. This increases the length of the tube's non-butted section to further save weight.

BULGE BUTTING

The O.S. seat tube and fork stem feature bulge butts. The bulge butt puts more metal on the outside of the tube and eliminates the need for separate reinforcement pieces.