

Torsional Rigidity						
10.6.10						
		original	converted	converted	converted	Source
		per 125 Kgm	per 1 degree in Kgm	per 1 degree in ft #	per 1 degree in Nm (=1 ftlb*1.36)	(W=La Lancia,1st ed.) (W3=3rd ed.)
<b>LANCIAS</b>						
1922	Lambda	1 deg	125	894	1,212	W, p. 53
1927	Dilambda	45'	167	1,192	1,616	W, p. 67
1927	Dilambda	30'	250	1,788	2,424	W, p. 67
1927	Dilambda	19'	395	2,822	3,827	W, p. 67
1932	Augusta	12'	600	4,290	5,817	W p. 81,W3 p.101
1936	Aprilia	10'	720	5,148	6,981	W, p. 92
1973	Stratos			7,700	10,441	article (as 77 ft#/deg)
1973	Stratos		1,300	9,295	12,604	Trow, Stratos p.44
<b>COMPARABLES (CONTEMP)</b>					current measures	
	Alfa 159				31,000	
	Aston Martin Vanquish				28,500	
	Aston Martin DB9 Coupe				27,000	
	Aston Martin DB9 Convertible				15,500	
	Audi A2				11,900	
	Audi A8				25,000	
	Audi TT				10,000	
	Audi TT Coupe				19,000	
	BMW E36 Touring				10,900	
	BMW E36 Z3				5,600	
	BMW Z4				9,545	
	BMW Z4				14,500	
	BMW Z4 coupe				32,000	
	BMW E46 Sedan (w/o folding seats)				18,000	
	BMW E46 Sedan (w/folding seats)				13,000	
	BMW E46 Wagon (w/folding seats)				14,000	
	BMW E46 Coupe (w/folding seats)				12,500	
	BMW E46 Convertible				10,500	
	BMW E90				22,500	
2004	BMW X5				23,100	
	Bugatti Veyron				60,000	
	Bugatti EB 110				19,000	
	Chevrolet Cobalt	28 hz				
	Chevrolet Corvette C5				9,100	
	Chrysler Crossfire				20,140	
	Chrysler Durango				6,800	
	Chrysler Neon			5,479	7,430	internet
2000	Citroen Picasso (in design)			12,537	17,000	SAE 3/2000
	Dodge Viper Coupe				7,600	
	Ferrari 360				14,298	
	Ferrari 360 Spider				8,500	
	Ferrari 355				9,933	
	Ferrari 430				17,157	
	Ferrari F50				34,600	
2006	Fiat Cinquecento (new) ?			2,677	3,630	
	Fiat Ducato Van			24,853	33,700	internet
	Ford Focus 3d				19,600	
	Ford Focus 5d				17,900	
	Ford GT40 MkI				17,000	
	Ford GT				27,100	
2003	Ford Mustang				16,000	
2003	Ford Mustang Convertible				4,800	
2005	Ford Mustang				21,000	
2005	Ford Mustang Convertible				9,500	
	Jaguar X-Type Sedan				22,000	
	Jaguar X-Type Estate				16,300	
	Koenigsegg				23,000	
	Koenigsegg CC-8				28,000	
	Lamborghini Countach				2,600	
	Lambo Gallardo				23,000	
	Lambo Murcielago				20,000	
	LandRover Freelander 2				28,000	
	Lotus Esprit SE Turbog				5,850	
	Lotus Elan				7,900	
	Lotus Elan GRP body				8,900	
	Lotus Elise				10,000	
	Lotus Elise 111s				11,000	
2004	Lotus Elise S2 Exige (2004)				10,500	
2010	Lotus Evora			20,000	27,120	NYT 10.6.10
	Maserati QP				18,000	
1990?	Mazda MX5			4,425	6,000	internet
	Mazda Rx-7				15,000	
	Mazda Rx-8				30,000	
	McLaren F1				13,500	
2006	Mercedes SL top down				17,000	MY 2006
2006	Mercedes SL top up				21,000	MY 2006
	Mini (2003)				24,500	
	Opel Astra				12,000	
	Pagani Zonda C12 S				26,300	Wheels Mag. 12.05
	Pagani Zonda F				27,000	
	Porsche 911 Turbo 996				27,000	
	Porsche 911 Turbo 996 Convertible				11,600	
	Porsche 911 Carrera Type 997				33,000	
2000	Porsche 911 Turbo (2000)				13,500	
	Porsche 959				12,900	
	Porsche Carrera GT				26,000	
	Renault Sport Spider				10,000	
	Rolls-Royce Phantom				40,500	
	Saab 9-3 Sportcombi				21,000	
1985?	VW Golf			6,305	8,550	internet
	Volkswagen Fox				17,900	
	VW Golf V GTI				25,000	
2006	VW Passat				32,400	
	VW Phaeton				37,000	
	Volvo S60				20,000	
	Volvo S80				18,600	
	mostly from:	<a href="http://www.germancarforum.com/test-data/12334-list-torsional-rigidity.html">http://www.germancarforum.com/test-data/12334-list-torsional-rigidity.html</a>				
<b>CONVERSIONS</b>						
	1 Kg	=	2.2 #			
	1 m	=	3.25 ft			
	1 Kgm	=	7.15 ft #			
	1 Kgm	=	9.70 Nm			
	or					
	1 ft#	=	1.356 Nm (?)			
	0.74 ft#	=	1 Nm			