



Article number	Touratech number	Level	Model	light weight & loading				standard weight, standard loading conditions							heavy weight or loading				heavy weight & loading				Note																
				Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	Spring preload	ref PA+	ref PA-	PA Angle	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate		Spring preload	HS position	LS position	Rebound position												
46BM00-R3118	01-300-5860-0	Level1	BMW F650GS DAKAR 00- REAR	180	13			11	190	180	13						10	200	13						9														
46BM00-R3518	01-300-5880-0	Level2	BMW F650GS DAKAR 00- REAR	180	13			11	190	145	13	7,5	-7,5	180			10	200	13						9														
46BM02-A1120	05-040-5867-0	ACE	BMW R1150GS ADV 02- FRONT	50	9				55	205	9							60	9																				
46BM02-A1703	01-040-5869-0	ACE	BMW R1150GS ADV 02- REAR	150	15				160	180	15							170	17					9	180	17											8	No ABE for spring rate 180	
46BM02-R3103	01-041-5860-0	Level1	BMW R1150GS ADV 02- REAR	150	17			11	160	205	17						10	170	17					9	180	17											8	No ABE for spring rate 180	
46BM02-R3120	01-041-5875-0	Level1	BMW R1150GS ADV 02- FRONT	50	9			11	55	205	9						10	60	9					9															
46BM02-R3503	01-041-5862-0	Level2	BMW R1150GS ADV 02- REAR	150	17			11	160	180	17	7,5	-7,5	315			10	170	17					9	180	17												8	No ABE for spring rate 180
46BM04-A1106	05-044-5838-0	ACE	BMW R1200GS 04-12 FRONT	48	14				50	205	14							55	14						60	14													
46BM04-A1122	05-044-5836-0	ACE	BMW R1200GS 04-12 FRONT LOW	48	14				50	205	14							55	14						60	14													
46BM04-A1704	01-044-5846-0	ACE	BMW R1200GS 04-12 REAR	130	11				140	205	11							150	11						160	11													
46BM04-A1706	05-044-5839-0	ACE	BMW R1200GS 04-12 FRONT	48	12				50	205	12							55	14						60	14													
46BM04-A1721	05-044-5837-0	ACE	BMW R1200GS 04-12 REAR LOW	130	11				140	180	11							150	11						160	11													
46BM04-R3104	01-044-5860-0	Level1	BMW R1200GS 04-12 REAR	130	13			11	140	205	13						10	150	13					9	160	13													8
46BM04-R3106	01-044-5875-0	Level1	BMW R1200GS 04-12 FRONT	48	14			11	50	205	14							55	14					9	60	14													8
46BM04-R3121	01-044-5861-0	Level1	BMW R1200GS 04-12 REAR LOW	130	15			11	140	180	15							150	15					9	160	15													8
46BM04-R3122	01-044-5876-0	Level1	BMW R1200GS 04-12 FRONT LOW	48	14			13	50	205	14						12	55	14				11	60	14														10
46BM04-R3304	01-044-5880-0	Level2	BMW R1200GS 04-12 REAR	130	13			11	140	205	13	7,5	-7,5	240			10	150	13				9	160	13														8
46BM04-R3321		Level2	BMW R1200GS 04-12 REAR LOW	130	15			11	140	180	15	7,5	-7,5	240			10	150	15				9	160	15														8
46BM04-R3704	05-044-5885-0	Level2e	BMW R1200GS 04-12 REAR	130	11			11	140	205	11	15	0,0	130			10	150	11				9	160	11													8	
46BM04-S1756	05-044-0893-0	ESA REPL	BMW R1200GS 04-12 REAR						140	205	14	15	0,0																										
46BM04-T4304	01-044-5865-0	High end	BMW R1200GS 04-12 REAR	130	13	11	11	11	140	205	13	7,5	-7,5	240	11	11	10	150	13	11	11	9	160	13	11	11	8												
46BM04-T4321	01-044-5866-0	High end	BMW R1200GS 04-12 REAR LOW	130	15	11	11	11	140	180	15	7,5	-7,5	240	11	11	10	150	15	11	11	9	160	15	11	11	8												
46BM04-T5106	01-044-5886-0	Extr PDS	BMW R1200GS 04-12 FRONT	48	14	14	14	11	50	205	14				14	14	10	55	14	14	14	9	60	14	14	14	8												
46BM04-T5404	01-044-5870-0	Extreme	BMW R1200GS 04-12 REAR	130	13	11	11	11	140	205	13	12,5	-2,5	240	11	11	10	150	13	11	11	9	160	13	11	11	8												
46BM05-T5543	01-044-5888-0	Extreme	BMW HP2 Enduro 05-08						80	235	14	10,0	-5,0	25	10	10	10	85	14	10	10	9	90	14	10	10	8												
46BM06-A1117	05-044-5842-0	ACE	BMW R1200GS ADV 06-13 FRONT	48	14				50	205	14							55	14					60	14														
46BM06-A1717	05-044-5843-0	ACE	BMW R1200GS ADV 06-13 FRONT	48	12				50	205	12							55	12					60	12														
46BM06-A1719	01-044-5847-0	ACE	BMW R1200GS ADV 06-13 REAR	140	11				150	205	11							160	11					170	11														
46BM06-R3115	01-612-5860-0	Level1	BMW F800S/ST 06- REAR	220	14			9	240	180	14						8	260	14					7															
46BM06-R3116	01-616-5860-0	Level1	BMW F800R 06- REAR	220	15			9	240	180	15						8	260	15					7															
46BM06-R3117	01-044-5877-0	Level1	BMW R1200GS ADV 06-13 FRONT	48	14			13	50	205	14						12	55	14				11	60	14														10
46BM06-R3119	01-044-5862-0	Level1	BMW R1200GS ADV 06-13 REAR	140	13			11	150	205	13						10	160	13					9	170	13													8
46BM06-R3319	01-044-5882-0	Level2	BMW R1200GS ADV 06-13 REAR	140	13			11	150	205	13	7,5	-7,5	240			10	160	13					9	170	13													8
46BM06-T4319	01-044-5867-0	High end	BMW R1200GS ADV 06-13 REAR	140	13	10	10	11	150	205	13	7,5	-7,5	240	10	10	10	160	13	10	10	9	170	13	10	10	8												
46BM06-T5117	01-044-5887-0	Extreme	BMW R1200GS ADV 06-13 FRONT	48	14			11	50	205	14				10	10	10	55	14				9	60	14														8
46BM06-T5419	01-044-5872-0	Extreme	BMW R1200GS ADV 06-13 REAR	140	13			11	150	205	13	7,5	-7,5	240	10	10	10	160	13				9	170	13														8
46BM07-R3155	01-049-5860-0	Level1	BMW G650GS X-CHALLENGE 07-	110	15			11	120	180	15						10	130	15				9	140	15														8
46BM07-R3555		Level2	BMW G650GS X-CHALLENGE 07-	110	15			11	120	180	15	7,5	-7,5	180			10	130	15				9	140	15														8
46BM07-T6125		High end	BMW G650GS X-CHALLENGE 07- LOW	120	15			11	130	205	15				10	10	10	140	15				9	150	15														8
46BM08-R3112	01-048-5862-0	Level1	BMW F650GS TWIN 08- REAR	150	13			7	160	205	13						6	170	13				5	180	13														4
46BM08-R3312	01-048-5882-0	Level2	BMW F650GS TWIN 08- REAR	150	13			7	160	180	13	7,5	-7,5	115			6	170	13				5	180	13														4



				Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	free length-spring	Spring preload	ref PA+	ref PA-	PA Angle	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position
46BM08-R3123	01-048-5861-0	Level1	BMW F800GS 08-12 REAR LOW	170	14			11	180	180	14						10	190	14								
46BM08-R3107	01-048-5860-0	Level1	BMW F800GS 08-12 REAR	160	14			11	170	205	14						10	180	14			9	190	14			8
46BM08-R3307	01-048-5880-0	Level2	BMW F800GS 08-12 REAR	160	14			11	170	205	14	7,5	-7,5	135			10	180	14			9	190	14			8
46BM08-R3323	01-048-5864-0	Level2	BMW F800GS 08-12 REAR LOW	170	14			11	180	180	14	7,5	-7,5	135			10	190	14			9					
46BM08-R3135		level1	BMW F800GS MU 13-	160	14			11	170	205	14						10	180	14			9	190	14			8
46BM08-R3335	01-048-5883-0	level2	BMW F800GS MU 13-	160	14			11	170	205	14	7,5	-7,5	125			10	180	14			9	190	14			8
46BM08-R3136		level1	BMW F800GS MU 13- LOW	170	14			11	180	180	14						10	190	14			9					
46BM08-R3336	01-048-5864-0	Level2	BMW F800GS MU 13- LOW	170	14			11	180	180	14	7,5	-7,5	125			10	190	14			9					
46BM08-R3707	05-048-5885-0	Level2e	BMW F800GS 08-12 REAR	160	12			11	170	205	12	15	0,0	225			10	180	12			9	190	12			8
46BM08-T6307	01-048-5865-0	High end	BMW F800GS 08-12 REAR	160	14	11	11	11	170	205	14	7,5	-7,5	135	11	11	10	180	14	11	11	9	190	14	11	11	8
46BM08-T6535	01-048-5868-0	High end	BMW F800GS MU 13-	160	14	11	11	11	170	205	14	7,5	-7,5	160	11	11	10	180	14	11	11	9	190	14	11	11	8
46BM08-T7407	01-048-5870-0	Extreme	BMW F800GS 08-12 REAR	160	14			11	170	205	14	7,5	-7,5	135	11	11	10	180	14			9	190	14			8
46BM08-T7635	01-048-5873-0	Extreme	BMW F800GS MU 13-	160	14	11	11	11	170	205	14	7,5	-7,5	160	11	11	10	180	14	11	11	9	190	14	11	11	8
46BM09-R3128		level1	BMW G650GS	160	16			10	170	180	16						9	180	16			8	190	16			7
46BM09-T8111	01-058-0050-0	Comp	BMW S1000RR 09-14	80	11			14	85	160	11					14	14	14	90	11			13	95	11		12
46BM15-T8276	01-058-0055-0	Comp	BMW S1000RR 15-19	90	11	14	14	14	95	160	11					14	14	14	100	11	13	13	13	105	11	12	12
46BM15-T86D76		Comp	BMW S1000RR 15-19	90	11	14	14	14	95	130	11	3	-3			14	14	14	100	11	13	13	13	105	11	12	12
46BM15-P8176	01-058-0053-0	Comp	BMW S1000RR 15-19	90	11	14	14		95	160	11					14	14		100	11	13	13		105	11	12	12
46BM15-P86D76		Comp	BMW S1000RR 15-19	90	11	14	14		95	160	11					14	14		100	11	13	13		105	11	12	12
46BM15-P1177		P&T	BMW S1000XR 15-	100	14				110	180	14							120	14					130	14		
46BM15-P8777		P&T	BMW S1000XR 15-	110	17				120	180	17	14	0					130	17					140	17		
46BM15-P1192		P&T	BMW S1000XR 15- LOW	110	12				120	160	12							130	12					140	12		
46BM09-R3528	01-300-5882-0	Level2	BMW G650GS	160	16			10	170	160	16	10	-5	120			9	180	16			8	190	16			7
46BM12-R3530	01-300-5883-0	level2	BMW G650GS SERTA0	140	16			11	150	180	16	13	-2	120			10	160	16			9	170	16			8
46BM13-T5429	01-045-5870-0	Extreme	BMW R1200/R1250GS 13- REAR	140	14	12	12	11	150	205	14	7,5	-7,5	105	11	11	10	160	14	10	10	9	170	14	9	9	8
46BM13-P4729	01-045-5884-0	P&T	BMW R1200/R1250GS 13- REAR	140	14	11	11		150	205	14				170	10	10		160	14	9	9		170	14	9	9
46BM13-T5140	01-045-5876-0	Extreme	BMW R1200/R1250GS 13- FRONT	45	9	12	12	10	50	205	9							55	9	11	11	11	9	60	9	10	10
46BM13-P4140	01-045-5883-0	P&T	BMW R1200/R1250GS 13- FRONT	45	9	12	12		50	205	9							55	9	11	11		60	9	10	10	
46BM13-P4741	05-045-5882-0	P&T	BMW R1200/R1250GS 13- LOW REAR	140	16	11	11		150	205	16	7,5	-7,5	105	10	10		160	16	9	9		170	16	8	8	
46BM13-R3142		Level1	BMW R1200/R1250GS 13- LOW FRONT	50	9			11	55	205	9							60	9			9					
46BM13-P4142	05-045-5881-0	P&T	BMW R1200/R1250GS 13- LOW FRONT	50	9	12	12		55	205	9							60	9	11	11				10	10	
46BM14-T5446	01-045-5871-0	Extreme	BMW R1200/R1250GS ADV 14- REAR	150	8	12	12	11	160	205	8	12,5	-2	105	11	11	10	170	8	10	10	9	180	8	9	9	10
46BM14-P4746	01-045-5874-0	P&T	BMW R1200/R1250GS ADV 14- REAR	150	11	11	11		160	205	11				105	10	10		170	11	9	9		180	11	8	8
46BM14-T5147	01-045-5877-0	Extreme	BMW R1200/R1250GS ADV 14- FRONT	50	13	12	12	11	55	205	13							60	13	11	11	9					
46BM14-P1147		P&T	BMW R1200/R1250GS ADV 14- FRONT	50	13				55	205	13							60	13								
46BM14-P4147	01-045-5873-0	P&T	BMW R1200/R1250GS ADV 14- FRONT	50	13	13	13		55	205	13							60	13	11	11						
46BM14-P4749	05-045-5890-0	P&T	BMW R1200/R1250GS ADV 14- LOW REAR	150	11	11	11		160	205	11	12,5	-2	105	10	10		170	11	9	9		180	11	8	8	
46BM14-T5150		Extreme	BMW R1200/R1250GS ADV 14- LOW FRONT	50	14	12	12	11	55	205	14							60	14	12	12	9					
46BM14-P4150	05-045-5889-0	P&T	BMW R1200/R1250GS ADV 14- LOW FRONT	50	14	12	12		55	205	14							60	14	12	12						
46BM14-R3352	01-042-5866-0	BLACK-T	BMW R NINE T 14-	150	11			11	160	180	11				110			10	170	11			9	180	11		9
46BM14-T4352	01-042-5869-0	HIGH END BT	BMW R NINE T 14-	150	11	10	10	11	160	180	11	11	-4	110	10	10	10	170	11	9	9	9	180	11	9	9	9
46BM14-R3374		BLACK-T	BMW R NINE T 14- LOW	140	11			11	150	180	11	11	-4	110			10	160	11			9	170	11			9
46BM14-T4374		HIGH END BT	BMW R NINE T 14- LOW	140	11	10	10	11	150	160	11	11	-4	110	10	10	10	160	11	9	9	9	170				



				Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	free length spring	Spring preload	ref PA+	ref PA-	PA Angle	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	
46BM16-R3390	01-042-5867-0	BLACK-T	BMW R NINE T SCRAMBLER/RACER/URBAN/PURE 16-	130	12			11	140	180	12	12	-3	270			10	150	12			9	160	12			8	
46BM16-T4390	01-042-5868-0	HIGH END BT	BMW R NINE T SCRAMBLER/RACER/URBAN/PURE 16-	130	12	11	11	11	140	180	12	14	-1	162			10	10	150	12	9	9	9	160	12	8	8	8
46BM13-R3133	01-058-5863-0	Level1	BMW F700GS 13-	150	13			9	160	205	13						8	170	13			7	180	13			6	
46BM13-R3333	01-058-5883-0	level2	BMW F700GS 13-	150	13			9	160	205	13	11	-4	135			8	170	13			7	180	13			6	
46BM13-R3134		Level1	BMW F700GS LOW 13-	160	13			9	170	205	13						8	180	13			7	190	13			6	
46BM13-R3334		Level2	BMW F700GS LOW 13-	160	13			9	170	205	13	13	-2	135			8	180	13			7	190	13			6	
46BM14-R3544	01-048-5881-0	Level 2	BMW F800GS Adv 14-	160	15			11	170	205	15	13	-2	315			10	180	15			9	190	15			8	
46BM14-R3545	01-048-5884-0	Level2	BMW F800GS Adv 14- LOW	170	14			11	180	205	14	12	-3	315			10	190	14			9						
46BM14-T5544	01-048-5874-0	Extreme	BMW F800GS Adv 14-	160	16	11	11	11	170	205	16	12	-3	315	10	10	10	180	16	9	9	9	190	16	8	8	8	
46BM18-R3596	01-082-5862-0	Level 2	BMW F850GS 18-	130	13			12	140	205	13	7,5	-7,5	20			12	150	13			11	160	13			11	
46BM18-T5596	01-082-5866-0	Extreme	BMW F850GS 18-	130	13	11	11	12	140	205	13	12	3	20	10	10	12	150	13	9	9	11	160	13	9	9	11	
46BM18-P4796	01-082-5863-0	P&T	BMW F850GS 18-	130	14	11	11		140	205	14	12	3	245	10	10		150	14	9	9		160	14	9	9		
46BM18-R3597	01-082-5864-0	Level 2	BMW F850GS 18- LOW	130	13			12	140	205	13	7,5	-7,5	20			12	150	13			11	160	13			11	
46BM18-T5597	01-082-5867-0	Extreme	BMW F850GS 18- LOW	130	13	11	11	12	140	205	13	12	3	20	10	10	12	150	13	9	9	11	160	13	9	9	11	
46BM18-P4797	01-082-5865-0	P&T	BMW F850GS 18- LOW	130	14	11	11		140	205	14	12	3	245	10	10		150	14	9	9		160	14	9	9		
46BM19-P4703	01-082-5869-0	P&T	BMW F850GS ADV 19-	140	14	11	11		150	205	14	12	3	245	10	10		160		9	9		170		9	9		
46BM88-R3124	01-058-0005-0	Level1	BMW R80/100GS DAKAR 88- REAR	80	16			9	85	235	16						8	90	16			7	95	16			6	
46BM88-R3524	01-058-0007-0	Level2	BMW R80/100GS DAKAR 88- REAR	80	16			9	85	235	16	7,5	-7,5	45			8	90	16			7	95	16			6	
46BM88-T9524	01-058-0008-0	Extreme	BMW R80/100GS DAKAR 88- REAR	80	16	11	11	9	85	205	16	7,5	-7,5	225	10	10	8	90	16	9	9	8	95	16	8	8	7	
46BM94-R3101	01-040-5860-0	Level1	BMW R1100GS 94- REAR	130	20			11	140	205	20						10	150	20			9	160	20			8	
46BM94-R3114	01-040-5875-0	Level1	BMW R1100GS 94- FRONT	48	14			11	50	205	14						12	55	14			9	60	14			8	
46BM94-R3501	01-040-5880-0	Level2	BMW R1100GS 94- REAR	130	20			11	140	180	20	7,5	-7,5	330			10	150	20			9	160	20			8	
46BM99-A1113	05-040-5863-0	ACE	BMW R1150GS 99- FRONT	48	14				50	205	14	7,5	-7,5				55	14				60	14					
46BM99-A1702	01-040-5864-1	ACE	BMW R1150GS 99- REAR	140	15				150	180	15						160	15				170	15					
46BM99-R3102	01-040-5862-0	Level1	BMW R1150GS 99- REAR	140	17			11	150	205	17						10	160	17			9	170	17			8	
46BM99-R3113	01-040-5877-0	Level1	BMW R1150GS 99- FRONT	48	14			13	50	205	14						12	55	14			11	60	14			10	
46BM99-R3502	01-040-5882-0	Level2	BMW R1150GS 99- REAR	140	17			11	150	180	17	7,5	-7,5	330			10	160	17			9	170	17			8	
46HO08-R3103	01-058-0030-0	Level1	HONDA XLV700 TRANSALP 08- REAR	130	10			11	140	180	10						10	150	10			9	160	10			8	
46HO08-R3503	01-058-0031-0	Level2	HONDA XLV700 TRANSALP 08- REAR	130	10			11	140	145	10	10	5	130			10	150	10			9	160	10			8	
46HO12-R3105		Level1	HONDA VFR1200X CROSSTOURER 12-	150	21			11	160	180	21						8	170	21			9	180	21			8	
46HO12-R3505	01-406-5880-0	Level2	HONDA VFR1200X CROSSTOURER 12-	150	21			11	160	180	21	7,5	-7,5	270			8	170	21			9	180	21			8	
46HO16-R2509	01-402-5860-0	level2	HONDA CRF1000L AFRICA TWIN 16-17	80	21			11	85	235	21	10	-5	210			10	90	21			9	95	21			9	
46HO16-T5509	01-402-5870-0	Extreme	HONDA CRF1000L AFRICA TWIN 16-17	80	21	10	10	11	85	235	21	10	-5	210	10	10	10	90	21	9	9	9	95	21	9	9	9	
46HO16-R2510	01-402-5865-0	Level2	HONDA CRF1000L AFRICA TWIN 16-17 LOW	80	21			11	85	235	21	10	-5	210			10	90	21			9	95	21			9	
46HO16-T5510	01-402-5878-0	Extreme	HONDA CRF1000L AFRICA TWIN 16-17 LOW	80	21	10	10	11	85	235	21	10	-5	210	10	10	10	90	21	9	9	9	95	21	9	9	9	
46HO16-T5111		Extreme	HONDA CRF1000L AFRICA TWIN 16-17 RALLY	90	18	10	10	11	95	235	18	10	-5		10	10	10	100	18	9	9	9						
46HO18-R2512	01-402-5862-0	Level2	HONDA AFRICA TWIN ADV.SPORT 18-	85	17			12	90	235	17	10	-5	300			12	95	17			11	100	17			11	
46HO18-T5512	01-402-5872-0	Extreme	HONDA AFRICA TWIN ADV.SPORT 18-	85	17	10	12	12	90	235	17	10	-5	300	10	12	12	95	17	10	11	11	100	17	10	11	11	
46HO18-R2513	01-402-5861-0	level2	HONDA CRF1000L AFRICA TWIN XL 18-	80	20			12	85	235	20	10	-5	300			12	90	20			11	95	20			11	
46HO18-T5513	01-402-5871-0	Extreme	HONDA CRF1000L AFRICA TWIN XL 18-	80	18	10	12	12	85	235	17	10	-5	300	10	12	12	90	17	10	11	11	95	17	10	11	11	
46HO18-R2514	01-402-5866-0	Level2	HONDA CRF1000L AFRICA TWIN 18- LOW	80	21			12	85	205	21	10	-5	300			12	90	21			11	95	21			11	
46HO18-T5514	01-402-5879-0	Extreme	HONDA CRF1000L AFRICA TWIN 18- LOW	80	17	10	12	12	85	205	17	10	-5	300	10	12	12	90	17	10	11	11	95	17	10	11	11	
46HO18-R2515		Level2	HONDA CRF1000L AFRICA TWIN 18-	80	20			12	85	205	20	10	-5	300			12	90	20			11	95	20			11	



				Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	free length spring	Spring preload	ref PA+	ref PA-	PA Angle	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position
46HO18-T5515	01-402-5873-0	Extreme	HONDA CRF1000L AFRICA TWIN 18-	80	17	10	12	12	85	205	17	10	-5	300	10	12	12	90	17	10	11	11	95	17	10	11	11
46HO93-R3102	01-058-0010-0	Level1	HONDA XRV750 AFRICA TWIN 93- REAR	90	16	-	-	11	95	205	16	-	-	-	-	-	12	100	16	-	-	9	110	16	-	-	8
46HO93-R3502	01-058-0012-0	Level2	HONDA XRV750 AFRICA TWIN 93- REAR	90	16	12	12	13	95	205	16	10	-5	270	-	-	12	100	16	-	-	11	110	16	-	-	10
46HO93-T6502	01-058-0011-0	High end	HONDA XRV750 AFRICA TWIN 93- REAR	90	16	12	12	13	95	205	16	7,5	-7,5	270	12	12	12	100	16	12	12	11	110	16	12	12	10
46HO99-R3101	01-058-0015-0	Level1	HONDA XLV1000 VARADERO 99-02 REAR	150	12	-	-	9	160	180	12	-	-	-	-	-	8	170	12	-	-	7	180	12	-	-	6
46HO99-R3501		Level2	HONDA XLV1000 VARADERO 99-02 REAR	150	12	-	-	9	160	180	12	7,5	-7,5	30	-	-	9	170	12	-	-	8	180	12	-	-	8
46HQ13-R3103	01-412-5860-0	Level1	HUSQ 650 TERRA 13-	100	17	-	-	-	110	205	17	-	-	-	-	-	8	120	17	-	-	7	130	17	-	-	6
46HQ13-R3104		Level1	HUSQ 650 TERRA 13- LOW	100	15	-	-	-	110	205	15	-	-	-	-	-	8	120	15	-	-	7	130	15	-	-	6
46KA08-R3201	01-409-5860-0	Level1 +ADJ	KAW KLR650(E) 08-	55	28	-	-	11	60	205	28	-	-	-	-	-	10	65	28	-	-	9	-	-	-	-	-
46KA08-R3601	01-409-5880-0	Level2 +ADJ	KAW KLR650(E) 08-	55	28	-	-	11	60	205	28	7,5	-7,5	225	-	-	10	65	28	-	-	9	-	-	-	-	-
46KA15-R3507	01-408-5880-0	Level2	KAW KLE650 VERSYS 15-	190	8	-	-	11	200	160	8	10	-5,0	160	-	-	10	210	8	-	-	9	-	-	-	-	-
46KA15-R3508		Level2	KAW KLE650 VERSYS 15- LOW	190	8	-	-	11	200	160	8	13	-2	160	-	-	10	210	8	-	-	9	-	-	-	-	-
46KT09-R3101	01-058-0040-0	Level1	KTM 990SM-T 09- REAR	140	15	-	-	11	150	205	15	13	-2	-	-	-	10	160	15	-	-	9	170	15	-	-	8
46KT09-R3102	01-058-0045-0	Level1	KTM 990SM-R 09- REAR	130	15	-	-	11	140	205	15	-	-	-	-	-	10	150	15	-	-	9	160	15	-	-	8
46KT09-T4501	01-058-0041-0	High end	KTM 990SM-T 09- REAR	140	15	10	10	13	150	180	15	7,5	-7,5	225	10	10	12	160	15	10	10	11	170	15	10	10	10
46KT09-T4502	01-058-0046-0	High end	KTM 990SM-R 09- REAR	130	15	10	10	13	140	180	15	7,5	-7,5	225	10	10	12	150	15	10	10	11	160	15	10	10	10
46KT03-T5508	01-370-5869-0	Extreme	KTM 950 ADVENTURE 03-04	120	12	10	10	11	130	205	12	10	-5	40	10	10	10	140	12	10	10	9	150	12	9	9	8
46KT05-T5511	01-370-5868-0	Extreme	KTM 950-990 ADVENTURE 05-13	130	12	10	10	11	140	205	12	10	-5	135	10	10	10	150	12	10	10	9	160	12	9	9	8
46KT06-T5107		Extreme	KTM 950-990 ADVENTURE S-R 04-13	120	15	10	10	11	130	235	15	10	-5	-	10	10	10	140	15	10	10	9	150	15	9	9	8
46KT06-T5507	01-370-5871-0	Extreme	KTM 950-990 ADVENTURE S-R 04-14	120	12	10	10	11	130	235	12	10	-5	135	10	10	10	140	12	10	10	9	150	12	9	9	8
46KT07-T5510	01-370-5867-0	Extreme	KTM 950r SUPER ENDURO 07-	130	10	11	11	11	140	205	10	10	-5	280	11	11	11	150	10	10	10	10	160	10	9	9	9
46KT14-T5313	01-371-5871-0	Extreme	KTM 1190R ADV 14-	170	10	12	12	10	180	205	10	10	-5	225	12	12	9	190	10	11	11	8	-	-	-	-	-
46KT14-T5314		Extreme	KTM 1190R ADV 14- LOW	170	10	12	12	10	180	205	10	10	-5	225	12	12	9	190	10	11	11	8	-	-	-	-	-
46KT14-T5315	01-371-5872-0	Extreme	KTM 1190R ADV 14- LONG TRAVEL	170	10	12	12	10	180	205	10	10	-5	225	12	12	9	190	10	11	11	8	-	-	-	-	-
46KT15-T5316	01-371-5865-0	Extreme	KTM 1050/1090 ADV 15-	160	12	10	10	12	170	180	12	10	-5	220	10	10	12	180	12	10	10	11	190	12	10	10	10
46KT19-R3325	01-372-5860-0	Level2	KTM 790 ADV 19-	100	10	-	-	11	110	180	10	10	-5	230	-	-	10	120	10	-	-	9	130	10	-	-	8
46KT19-R3327	01-372-5866-0	Level2	KTM 790 ADV 19- LOW	100	10	-	-	11	110	180	10	12	-3	230	-	-	10	120	10	-	-	9	130	10	-	-	8
46KT19-R3331	01-372-5870-0	Level2	KTM 790 ADV R 19-	90	10	-	-	11	95	205	10	12	-3	230	-	-	10	100	10	-	-	9	110	10	-	-	8
46KT19-R3332	01-372-5871-0	Level2	KTM 790 ADV R LOW	90	10	-	-	11	95	180	10	12	-3	230	-	-	10	100	10	-	-	9	110	10	-	-	8
46KT19-T7325	01-372-5867-0	Extreme	KTM 790 ADV 19-	100	10	11	11	11	110	180	10	12	-3	230	10	10	10	120	10	9	9	9	130	10	8	8	8
46KT19-T7327	01-372-5868-0	Extreme	KTM 790 ADV 19-LOW	100	10	11	11	11	110	180	10	12	-3	230	10	10	10	120	10	9	9	9	130	10	8	8	8
46KT19-T8529		Extreme	KTM 790 DUKE 19-	150	5	11	11	11	160	160	5	12	-3	135	10	10	10	170	5	9	9	9	-	-	-	-	-
46KT19-T9331	01-372-5872-0	Extreme	KTM 790 ADV R 19-	90	10	11	11	11	95	205	10	12	-3	230	10	10	10	100	10	9	9	9	110	10	8	8	8
46MG19-T5303	01-058-5840-0	Extreme	MOTO GUZZI V85 TT 19-	55	10	11	12	9	60	205	10	12	-3	90	10	12	8	65	10	10	11	7	70	10	10	10	7
46SU02-R3101	01-058-0025-0	Level1	SUZUKI DL1000 V-STROM 02- REAR	90	18	-	-	13	95	205	18	-	-	-	-	-	12	100	18	-	-	11	110	18	-	-	10
46SU04-R3103		Level1	SUZUKI DL650 V-STROM 04-11	85	19	-	-	13	90	205	19	-	-	-	-	-	12	95	19	-	-	11	100	19	-	-	10
46SU04-R3503	01-390-5880-0	Level2	SUZUKI DL650 V-STROM 04-11	85	19	-	-	13	90	180	19	7,5	-7,5	45	-	-	12	95	19	-	-	11	100	19	-	-	10
46SU12-R3104	01-390-5880-0	Level1	SUZUKI DL650 V-STROM 12-	95	16	-	-	13	100	205	16	-	-	-	-	-	12	110	16	-	-	11	120	16	-	-	10
46SU12-R3504	01-390-5860-0	Level2	SUZUKI DL650 V-STROM 12-	95	16	-	-	13	100	180	16	10	5	30	-	-	12	110	16	-	-	11	120	16	-	-	10
46SU14-R3105		Level1	SUZUKI DL1000V V-STROM 14-	90	18	-	-	13	95	180	18	-	-	-	-	-	12	100	18	-	-	11	110	18	-	-	10
46SU14-R3305	01-391-5865-0	Level2	SUZUKI DL1000V V-STROM 14-	90	18	-	-	13	95	180	18	10	-5	-	-	-	12	100	18	-	-	11	110	18	-	-	10
46SU14-T6305	01-391-5870-0	High end	SUZUKI DL1000V V-STROM 14-	90	18	13	13	13	95	180	16	10	-5	-	12	12	12	100	18	11	11	11	110	18	10	10	10
46SU88-R3102	01-058-0020-0	Level1	SUZUKI DR 750S/800S/800S BIG 88- REAR	80	19	-	-	11	85	235	19	-	-	-	-	-	10	90	19	-	-	9	95	19	-	-	8

				Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	free length spring	Spring preload	ref PA+	ref PA-	PA Angle	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	
46TR08-R3101		Level1	TRIUMPH TIGER 1050SE 08-	120	15			11	130	180	15						10	140	15				9	150	15			8
46TR08-R3501	01-615-5880-0	Level2	TRIUMPH TIGER 1050SE 08-	120	15			11	130	160	15	10	-5	135			10	140	15				9	150	15			8
46TR11-R3102	01-420-5860-0	Level1	TRIUMPH TIGER 800XC 11-	100	18			11	110	205	18						10	120	18				9	130	18			8
46TR11-R3105		Level1	TRIUMPH TIGER 800XC LOW 11-	110	18			11	120	180	18						10	130	18				9	140	18			8
46TR11-R3502	01-420-5882-0	Level2	TRIUMPH TIGER 800XC 11-	100	19			11	110	205	19	12,5	-2,5	135			10	120	19				9	130	19			8
46TR11-R3505		Level2	TRIUMPH TIGER 800XC LOW 11-	110	19			11	110	180	19	13	-2	135			10	130	19				9	140	19			8
46TR11-T6502	01-420-5865-0	High End	TRIUMPH TIGER 800XC 11-	100	19	11	11	11	110	205	19	13	-2	135	11	11	10	120	19	11	11	9	130	19	11	11	8	
46TR12-A1703	05-422-5872-0	ACE	TRIUMPH TIGER EXPLORER 12-	120	24				130	205	24	13	-2					140	24					150	24			
46TR12-R3103	01-422-5860-0	Level1	TRIUMPH TIGER EXPLORER 12-	120	26			10	130	205	26						9	140	26				8	150	26			7
46TR12-R3303	01-422-5880-0	Level2	TRIUMPH TIGER EXPLORER 12-	120	26			10	130	205	26	10	-5	90			9	140	26				8	150	26			7
46TR12-T6303	01-422-5865-0	High End	TRIUMPH TIGER EXPLORER 12-	120	26	9	9	9	130	205	26	10	-5	90	9	9	8	140	26	9	9	7	150	26	9	9	6	
46TR12-T7503	01-422-5870-0	Extr PDS	TRIUMPH TIGER EXPLORER 12-	120	26	9	9	9	130	205	26	10	-5	90	9	9	8	140	26	9	9	7	150	26	9	9	6	
46TR15-R3507	01-420-5861-0	Level2	TRIUMPH TIGER 800 XC/XR MODELS 15-	100	22			9	110	205	22	10	-5	180			8	120	22				8	130	22			7
46TR15-T6507	01-420-5866-0	High end	TRIUMPH TIGER 800 XC/XR MODELS 15-	100	22	10	10	9	110	205	22	7,5	-7,5	180	10	10	8	120	22	10	10	8	130	22	9	9	7	
46YA08-R3103	01-046-5862-0	Level1	YAMAHA XTZ 660 Tenere 08-	75	20			11	80	205	20						10	85	20				9	90	20			8
46YA08-R3503	01-046-5882-0	Level2	YAMAHA XTZ 660 Tenere 08-	75	20			11	80	205	20	7,5	-7,5	345			10	85	20				9	90	20			8
46YA12-A1705	01-046-5872-0	ACE	YAMAHA XTZ 1200 Super Tenere	140	15			11	150	180	13	10	-5	150				160	13									
46YA12-R3105		Level1	YAMAHA XTZ 1200 Super Tenere	140	15			11	150	205	15			150			10	160	15				9					
46YA12-R3505	01-046-5880-0	Level2	YAMAHA XTZ 1200 Super Tenere	140	15			11	150	180	15	7,5	-7,5	150			10	160	15				9					
46YA12-T6505	01-046-5865-0	High End	YAMAHA XTZ 1200 Super Tenere	140	15	12	12	11	150	180	15	7,5	-7,5	150	12	12	10	160	15	12	12	9						
46YA12-T7505	01-046-5870-0	Extreme	YAMAHA XTZ 1200 Super Tenere	140	15	12	12	11	150	180	15	7,5	-7,5	150	12	12	10	160	15	12	12	9						
46YA15-R3109	01-630-5860-0	Level1	YAMAHA MT-09 TRACER 15-	85	16			11	90	180	16						10	95	16				9	100	16			8
46YA15-R3509	01-630-5880-0	Level2	YAMAHA MT-09 TRACER 15-	85	16			11	90	160	16	7,5	-7,5				10	95	16				9	100	16			8
46YA19-R2313	01-632-5860-0	Level2	YAMAHA 700 TENERE T7 19-	75	20			11	80	235	20	13	-2	247,5			10	85	20				9	90	20			8
46YA19-R2314	01-632-5865-0	Level2	YAMAHA 700 TENERE T7 19- LOW	75	20			11	80	205	20	10	-5	247,5			10	85	20				9	90	20			8
46YA19-T5513	01-632-5870-0	Extreme	YAMAHA 700 TENERE T7 19-	75	21	11	11	11	80	205	21	10	-5	220	10	10	10	85	21	9	9	9	90	21	8	8	8	
46YA19-T5514	01-632-5871-0	Extreme	YAMAHA 700 TENERE T7 19- LOW	75	21	11	11	11	80	180	21	5	-5	220	10	10	10	85	21	9	9	9	90	21	8	8	8	
46YA96-R3102	01-058-0035-0	Level1	YAMAHA TDM850 96-01 REAR	200	8			9	220	160	8						8	240	8				7					
Article number			Model	light weight & loading				standard weight, standard loading conditions										heavy weight or loading				heavy weight & loading						

CARTRIDGES

				Spring rate	Spring preload	PA (turns from open)	compression position	Rebound position	Spring rate	free length spring	Spring preload	PA (turns from open)	Air chamb ALL ROAD (Air chamb OFF ROAD (Compression position	Rebound position	Spring rate	Spring preload	PA (turns from open)	compression position	Rebound position	Spring rate	Spring preload	PA (turns from open)	compression position	Rebound position	Note
35BM08-D5307	01-048-5866-0	Extreme	BMW F800 GS 08-12	4,5	6	3	10	10	4,8	390	6	3	60		45	10	10	5,2	6	3	10	10	5,6	6	3	10	10	
35BM13-D5335	01-048-5840-0	Extreme	BMW F800 GS 13-	4,5	6	3	10	10	4,8	390	6	3	70		55	10	10	5,2	6	3	10	10	5,6	6	3	10	10	
35BM14-D5344	01-048-5846-0	Extreme	BMW F800 GS ADV 14-	4,8	6	3	10	10	5,2	390	6	3	70		55	10	10	5,6	6	3	10	10	6,0	6	3	10	10	
35BM14-D5345		Extreme	BMW F800 GS ADV 14- LOW-45	4,8	9	3	10	10	5,2	350	9	3	70		55	10	10	5,6	9	3	10	10	6,0	9	3	10	10	
35BM18-D5396	01-082-5870-0	Extreme	BMW F850 GS 18- (one leg)	5,6	14	2		10	6,0	390	14	2	65		60		10	6,4	14	2		10	6,8	14	2		10	Comp and rebound in one leg



Article number TT	Article TO	Level	Model	Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	free length spring	Spring preload	ref PA+	ref PA-	PA Angle	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	Spring rate	Spring preload	HS position	LS position	Rebound position	
35BM18-D5397		Extreme	BMW F850 GS 18- LOW (one leg)	5,6	14	2		10	6,0	390	14	2	65		60		10	6,4	14	2		10	6,8	14	2		10	Comp and rebound in one leg
35BM19-D5303	01-082-5872-0	Extreme	BMW F850 GS ADV 19- (one leg)	6,0	14	2		10	6,4	390	14	2	65		60		10	6,8	14	2		10	7,2	14	2		10	Comp and rebound in one leg
35BM19-D5304		Extreme	BMW F850 GS ADV 19- LOW (one leg)	6,0	14	2		10	6,4	390	14	2	65		60		10	6,8	14	2		10	7,2	14	2		10	Comp and rebound in one leg
35BM14-D5352	01-042-5840-0	Extreme	BMW R-Nine-T 2014-						7,2	230	5	3	60			10	10	7,6	5	3	10	10	8,0	5	3	10	10	
35BM09-D8311	01-058-0051-0	Comp	BMW S1000RR 2009-	9,0	17	5	12	8	9,5	230	17	5	105			12	8	10,0	17	5	12	8	10,5	17	5	12	8	
35BM15-D8376	01-058-0056-0	Comp	BMW S1000RR 15-	9,5	17	5	12	8	10,0	230	17	5	105			12	8	10,5	17	5	12	8						
35BM15-P8376	01-058-0054-0	Plug&Race	BMW S1000RR 15-	9,5	17	5			10,0	230	17	5	105					10,5	17	5								
35DU17-D5303	01-621-5870-0	Extreme	DUCATI SCRAMBLER DESERT SLED 2017-	4,2	20	3	10	10	4,5	350	20	3	U.L.			10	10	4,8	20	3	9	9	5,2	20	3	8	9	
35HO16-D5309	01-402-5875-0	Extreme	HONDA CRF 1000L AFRICA TWIN 16-17	5,2	7	3	10	10	5,6	390	7	3	95		85	10	10	6,0	7	3	10	10	6,4	7	3	10	10	
35HO16-D5310	01-402-5877-0	Extreme	HONDA CRF 1000L AFRICA TWIN 16- 17LOW-25	5,6	7	3	10	10	6,0	370	7	3	95		85	10	10	6,4	7	3	10	10	6,8	7	3	9	9	
35HO16-D5311	01-402-5874-0	Extreme	HONDA CRF 1000L AFRICA TWIN 16- "RALLY"	5,2	6	3	10	10	5,6	400	6	3	95		85	10	10	6,0	6	3	10	10	6,4	6	3	10	10	
35HO16-D5309	01-402-5891-0	Extreme	HONDA CRF 1000L AFRICA TWIN 18-19	5,2	7	3	10	10	5,6	390	7	3	95		85	10	10	6,0	7	3	10	10	6,4	7	3	10	10	
35HO18-D5312	01-402-5876-0	Extreme	HONDA CRF 1000L AFR. TWIN ADV.SPORT 18-	5,2	16	3	12	12	5,6	400	16	3	85		75	12	12	6,0	16	3	11	11	6,4	16	3	10	10	
35KT19-D5325	01-372-5869-0	Extreme	KTM 790 ADV 2019-	6,0	10	3	10	10	6,4	370	10	3	90		80	10	10	6,8	10	3	10	10	7,2	10	3	9	9	
35KT19-D5327		Extreme	KTM 790 ADV LOW-30 2019-	6,0	10	3	10	10	6,4	370	10	3	90		80	10	10	6,8	10	3	10	10	7,2	10	3	9	9	
35KT19-D5331	01-372-5874-0	Extreme	KTM 790 ADV R 2019-	6,0	15	3	10	10	6,4	390	15	3	95		85	10	10	6,8	15	3	10	10						
35KT19-D5332		Extreme	KTM 790 ADV R 2019- LOW-30	6,0	10	3	10	10	6,4	370	15	3	85		75	10	10	6,8	10	3	10	10	7,2	10	3	9	9	
35KT15-D5316	01-371-5841-0	Extreme	KTM 1050 ADV 15- / 1090 ADV 15-	6,2	15	3	10	10	6,8	370	15	3	60		45	10	10	7,2	15	3	10	10						
35KT15-D5326		Extreme	KTM 1050 / 1090 ADV 2015- LOW-30	6,2	15	3	10	10	6,8	370	15	3	60		45	10	10	7,2	15	3	10	10						
35KT14-D5313	01-371-5840-0	Extreme	KTM 1190 R ADV 14-	5,2	17	3	10	10	5,6	435	17	3	85		75	10	10	6,0	17	3	10	10						
35KT14-D5315	01-371-5867-0	Extreme	KTM 1190 R ADV 14- LONG TRAVEL	4,8	15	3	14	10	5,2	435	15	3	85		75	14	10	5,6	15	3	14	10	6,0	15	3	13	9	
35KT15-D5323	01-371-5844-0	Extreme	KTM 1090 ADV R 17- / 1290 SUPER ADV R 18-						5,6	400	17	3	85		80	10	10											
35SU12-D8308	01-058-0071-0	Comp	SUZUKI GSXR1000 2012-2016	9,5	21	5	8	6	10,0	230	21	5	110			8	6	10,5	21	5	8	6	11,0	20	3	8	6	
35SU17-D8311		Comp	SUZ. GSXR1000 2017- Comp	9,5	21	5	8	6	10,0	230	21	5	110			8	6	10,5	21	5	8	6	11,0	20	3	8	6	
35TR11-D5302	01-420-5840-0	Extreme	TRIUMPH TIGER 800 XC 2011-	4,5	9	3	10	10	4,8	350	9	3	65		50	10	10	5,2	9	3	10	10	5,6	9	3	10	10	
35TR11-D5305		Extreme	TRIUMPH TIGER 800 XC 2011- LOW						4,8	330	12	3	65		50	10	10	5,2	12	3	10	10	5,6	12	3	10	10	
35TR12-D5303	01-422-5840-0	Extreme	TRIUMPH 1200 EXPLORER 2012-	7,2	19	3	10	10	7,6	370	19	3	85			10	10	8,0	19	3	10	10						
35TR16-D5306		Extreme	TRIUMPH TRUXTON 1200 2016- BLACK-T						8,5	280	10	3	80			8	8	9,0	10	3	8	8	9,5	10	3	7	7	
35YA12-D5305		Extreme	YAMAHA XTZ1200 SUPER TENERE 2012-	8,0	11	3	10	10	8,8	370	11	3	120		110	10	10											
35YA19-D5313	01-632-5875-0	Extreme	YAM. 700 TENERE 19-	6,4	17	3	10	10	6,8	370	17	3	120		110	10	10	7,2	17	3	10	10						
35YA19-D5314	01-632-5876-0	Extreme	YAM. 700 TENERE LOW-35 19-	6,4	17	3	10	10	6,8	350	17	3	120		110	10	10	7,2	17	3	10	10						
Article number TT	Article TO	Level	Model	light weight & loading				standard weight, standard loading conditions				heavy weight or loading				heavy weight & loading												

Note: Air chambers are for reference purpose only. Have to be finetuned during installation and testrides.