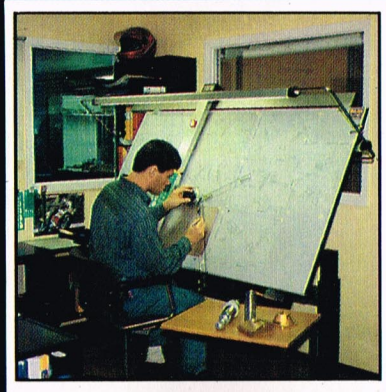
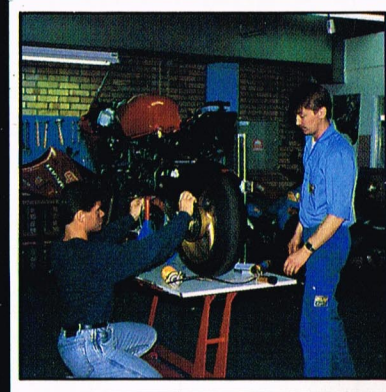




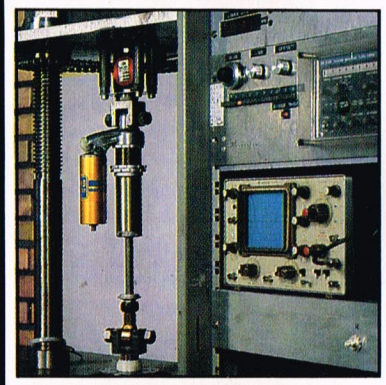
Research and development



Design



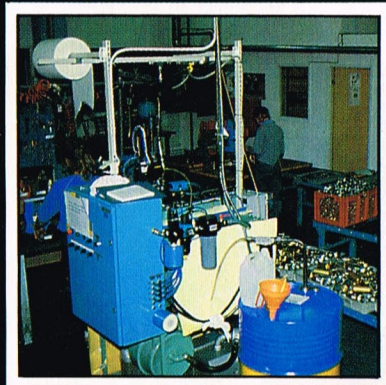
Prototype/Sample/Fitting



Dyno test



Track test



Production



# RECOMMENDATION LIST 1989/90



# SHOCK ABSORBERS PROGRAM



## TWIN SHOCKS PIGGYBACK TYPE PB

The most sold Öhlin shock throughout the years. Started in moto-cross many years ago and is today fitted on thousands of road bikes all over the world. DeCarbon type, gas shock with separate reservoir for better cooling. As in all Öhlin shocks, piston ring and bushings are made from teflon to avoid heat build-up.



## TWIN SHOCKS EMULSION TYPE E

Same international design and parts as in Piggyback type but without reservoir. Primarily for smaller bikes and for bikes where space is limited.



## SINGLE TYPE 1

Single shock without reservoir. The shock has external adjustment knob for rebound damping and adjustment rings for pre-load adjustment of the spring. For bikes where it's difficult to fit a reservoir due to limited space etc.



## SINGLE TYPE 2

Same as type 1 but with a hydraulic pre-load adjuster for the spring which makes it very easy to adjust the spring when the bike is loaded with extra touring packing or similar. The adjustment range is about 15 mm.



## SINGLE TYPE 3A

Single shock with separate reservoir, fitted to the shock like a "Piggyback". The shock has not only a rebound damping adjuster but also a separate adjustment knob for compression damping. The most used shock on moto-cross bikes today.



## SINGLE TYPE 3B

Same type and features as 3A but with the reservoir fitted to the shock with a hose. For bikes where you must fit the reservoir at another place than the shock. The most common shock type on road racing and super bikes.



## SINGLE TYPE 4

This type is a combination of type 2 and 3. It has all the adjustments that you can think of. Separate compression and rebound damping plus a hydraulic pre-load adjustment of the spring. Please note that this type is available for just a few bikes and made on special order for some other models. Please contact your local Öhlin dealer to check if it's possible to assemble it on your bike.



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## STREET LINE TWIN

BRAND MODEL	YEAR	ART. NO	TYPE	TOT. LENGTH MM	STROKE MM	FITTED SPRING	P/C
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## BMW

R 50/5	73-	BM 2032/E	PB/E	337	104	480-03	2/1
R 60/5/6	73-	BM 2032/E	PB/E	337	104	480-03	2/1
R 75/6	73-	BM 2032/E	PB/E	337	104	480-03	2/1
R 80 RT	77-	BM 2032/E	PB/E	337	104	480-03	2/1
R 90/6/S	73-	BM 2032/E	PB/E	337	104	480-03	2/1
R 100/CS/RT/S	73-	BM 2032/E	PB/E	337	104	480-03	2/1

## DUCATI

500 PANTHA	78-84	DU 4021/E	PB/E	312	96	480-02	2/1
900 SD DARMAH	78-84	DU 2443/E	PB/E	331	94	480-01	2/1
900 SS, REPLICA	78-84	DU 2443/E	PB/E	331	94	480-01	2/1

## HARLEY-DAVIDSON

XLH 883	86-89	HD 9160E	E	337	104	480-01	1
XLH 1200	86-89	HD 9160E	E	337	104	480-01	1
FXR	86-89	HD 9160E	E	337	104	480-01	1
FXRS	86-89	HD 9160E	E	337	104	480-01	1

## HONDA

CB 750F	80-84	HO 1532/E	PB/E	364	100	480-03	2/1
CB 750KZ	79-84	HO 1532/E	PB/E	364	100	480-03	2/1
CB 900	79-84	HO 1532/E	PB/E	364	100	480-03	2/1
CBX 1000	78-81	HO 1532/E	PB/E	364	100	480-03	2/1
CB 1100F	82-85	HO 1532/E	PB/E	364	100	480-03	2/1
CB 1100R	81-84	HO 1532/E	PB/E	364	100	480-03	2/1

## KAWASAKI

Z 400J	80-85	KA 2122/E	PB/E	344	92	480-02	2/1
Z 500	80-85	KA 2122/E	PB/E	344	92	480-02	2/1
Z 550GP	80-85	KA 2122/E	PB/E	344	92	480-02	2/1
Z 750GP	82-86	KA 2043/E	PB/E	347	92	480-03	2/1
Z 750L/SPORT	82-85	KA 2122/E	PB/E	344	92	480-02	2/1
Z 900	73-76	KA 2043/E	PB/E	347	92	480-03	2/1
Z 1000	77-84	KA 2043/E	PB/E	347	92	480-03	2/1
Z 1100	80-85	KA 2043/E	PB/E	347	92	480-03	2/1

## LAVERDA

1000	76-83	LA 3241/E	PB/E	360	102	480-03	2/1
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## MOTO GUZZI

V 65 LARIO		MG 5251	PB	335	97	480-01	2
850 LE MANS I-II	81-86	MG 2504	PB	325	90	480-02	2
850 LE MANS III		MG 4412	PB	332	97	480-03	2
850 T5		MG 4412	PB	332	97	480-03	2
1000 LE MANS		MG 6201	PB	335	97	480-02	2
1000 SP II		MG 4412	PB	332	97	480-03	2

## SUZUKI

GS 400/L	80-84	SU 3243E	E	327	92	480-02	1
GSX 400E/F	77-84	SU 3243E	E	327	92	480-02	1
GS 500E	78-83	SU 3243E	E	327	92	480-02	1
GS 650E/L	80-82	SU 3243E	E	327	92	480-02	1
GS 750E/L	77-81	SU 2032/E	PB/E	331	83	480-03	2/1
GS 750E/S	79-84	SU 2032/E	PB/E	331	83	480-03	2/1
GS 850/L	77-83	SU 2042/E	PB/E	328	91	480-03	2/1



## cont STREET LINE TWIN

BRAND MODEL	YEAR	ART. NO	TYPE	TOT. LENGTH MM	STROKE MM	FITTED SPRING	P/C
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## SUZUKI

GS 1000	79-82	SU 2042/E	PB/E	328	91	480-03	2/1
GS 1000E/S/H/L	79-82	SU 2032/E	PB/E	331	83	480-03	2/1
GS 1100G	79-82	SU 2042/E	PB/E	328	91	480-03	2/1
GS 1100	81-82	SU 2042/E	PB/E	328	91	480-03	2/1
GSX 1100	79-83	SU 2032/E	PB/E	331	83	480-03	2/1
GSX 1100 KATANA	81-83	SU 2032/E	PB/E	331	83	480-03	2/1
RE-5	75-77	SU 2032/E	PB/E	331	83	480-03	2/1

## YAMAHA

SRX 400	-89	YA 7371	PB	303	90	480-01	2
XJ 400	80-84	YA 3372E	E	320	87	480-02	1
XS 400/SE	77-84	YA 3372E	E	320	87	480-02	1
XJ 550	80-84	YA 3372E	E	320	87	480-02	1
SRX 600	-89	YA 7371	PB	303	90	480-01	2
XJ 650/SECA	80-84	YA 2052/E	PB/E	320	83	480-02	2/1
XS 650/SE	75-84	YA 3372E	E	320	87	480-02	1
XS 750	78-83	YA 2052/E	PB/E	320	83	480-02	2/1
XS 850	78-83	YA 2052/E	PB/E	320	83	480-02	2/1
XJ 900	83-89	YA 3231/E	PB/E	303	90	480-04	2/1
XS 1100S	78-84	YA 2062/E	PB/E	326	86	480-04	2/1



## ROAD RACING/STREET BIKES

BRAND MODEL	YEAR	ART. NO	TYPE	TOT. LENGTH MM	STROKE MM	FITTED SPRING	P/C
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## BIMOTA

YB 7	88-89	BI 8220	3B	303-315	50	1093-29	5
YB 4	88-89	BI 8156	4	312-324	60	1093-28	6
YB 6	88-89	BI 8156	4	312-324	60	1093-28	6

## BMW

K 75	84-89	BM 4412	3A	352	90	1099-04	5
R 80 GS		BM 3174	3A	361	90	698-19	5
R 100 GS	88-89	BM 8360	1	495	80	580-24	3
K 100	84-89	BM 4412	3A	352	90	1099-04	5
K 100 (ABS)	88-89	BM 8270	4	352	90	1096-09	6

## DUCATI

750 F1	86-87	DU 7432	4	300	58	1091-23	6
750 PASO	-86	DU 5080	2	365	78	1099-05	5
851 S	89-90	DU 8070	3B	330	65	1096-24	5

## HARRIS

MAGNUM II		HM 5191	3B	283	63	1093-23	5
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## HONDA

RS 125	88-89	HO 8050	3A	292-304	50	1101-17	6
RS 250	87-88	HO 8111	3A	342-354	67	1096-13	6
NSR 250	1989	HO 9080	3A				
CBR 600F	87-89	HO 7152	3B	292	50	1093-69	5
600V TRANS ALP	88-89	HO 8360	1	355.5	83	1096-44	3
NX 650 DOMINATOR	88-89	HO 8370	1	341.5	57.7	1095-59	3
VF 750F	83-84	HO 4151	2	367	44	1095-51	5
VFR 750F	-86	HO 6101	3B	270	48	1093-39	5
VFR 750F	87-89	HO 8041	3B	280	42	1093-71	5
VFR 750R (RC30)	88-89	HO 8061	3B	308-320	47	1093-71	6
RC 30 RACE-KIT	1988	HO 8150	3B	307	67	1091-20	6
CBR 1000F	87-88	HO 7142	2	295.5	48	1093-71	5
VF 1000F	1984	HO 5011	2	399	44	1095-57	5

## KAWASAKI

GPX 600R	-88	KA 8040	2	305	62	1093-21	5
GPZ 600R	85-87	KA 5420	2	310	67	1091-19	5
GPX 750R	87-88	KA 7110	2	305	62	1091-25	5
ZXR 750	1989	KA 9020	3B	360-372	67	1091-25	6
GPZ 900R	85-88	KA 5432	2	310	67	1091-22	5
GPZ 1000RX	86-87	KA 6471	2	309	67	1095-31	5
ZX 10	-88	KA 8110	2	314.5	67	1091-25	5

## SUZUKI

RGV 250	1989	SU 9040	3B	300-312	55	1093-19	5
GSX 400R	-87	SU 7250	3B	293	56	1091-26	5
GSX 600F	88-89	SU 8090	3B	298	65	1093-29	5
GSX 750ES/EF	83-	SU 4150	2	330	79	1096-05	5
GSX 750F	1989	SU 8460	2	298	65	1093-34	5
GSX-R 750	85-87	SU 5271	3B	290.5	61	1092-23	5
GSX-R 750	88-89	SU 8050	3B	310	65	1092-15	6
GSX-R 750R	1989	SU 9080	3B	308-320	63	1092-15	6
GSX-1100ES/EF	84-87	SU 6151	2	330	79	1093-13	5
GSX 1100F	88-89	SU 8110	2	340	61	1092-36	5
GSX-R 1100	86-88	SU 6351	3B	316	69	1095-21	5
GSX-R 1100	1989	SU 9050	3B	312	70	1092-29	5



## cont ROAD RACING/STREET BIKES

BRAND MODEL	YEAR	ART. NO	TYPE	TOT. LENGTH MM	STROKE MM	FITTED SPRING	P/C
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## YAMAHA

YSR 50/80	87-	YA 7400		148	20	181-01	1
TZ 250	86-87	YA 7110	3B	326	70	1096-13	6
TZ250	88-89	YA 7443	3B	294.5	65	1093-16	5
TZR 250	-87	YA 7100	3B	291	45	1093-34	5
TZR 250	88-89	YA 7280	3B	270	40	1093-34	5
RD 350LC	83-88	YA 4152	1	292.5	47	1093-34	3
FZR 400	-87	YA 7240	3B	300.5	54	1091-31	5
RD 500LC	84-86	YA 4382	3B	293	47	1093-39	5
FZR 600	1989	YA 8271	3B	301	50	1093-54	5
XJ 600	-89	YA 5011	2	292	47	1093-44	5
FZ 750	85-86	YA 5075	3B	295	49	1092-61	5
FZ 750	87-89	YA 7130	3B	300.5	54	1092-54	5
FZR 750	87-88	YA 7122	3B	300.5	54	1092-57	5
FZR 750R	1989	YA 8060	4	360	76	1096-24	6
FZR 1000	87-88	YA 7122	3B	300.5	54	1092-57	5
FZR 1000	1989	YA 8281	3B	340	70	1096-21	5
TR 1		YA 3330	1	382.5	56.5	698-26	3
FJ 1100	84-85	YA 4411	2	292.5	47	1093-66	5
FJ 1200	86-87	YA 4411	2	292.5	47	1093-66	5
FJ 1200	88-89	YA 8350	2	290.5	44	1093-79	5



## OFF ROAD/MX BIKES

BRAND MODEL	YEAR	ART. NO	TYPE	TOT. LENGTH MM	STROKE MM	FITTED SPRING	P/C
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## BMW

R 80 GS		BM 3174	3A	361	90	698-19	5
R 100 GS	88-89	BM 8360	1	495	80	580-24	3

## HONDA

CR 125	1987	HO 6421	3B	450.5	123.5	696-06	5
CR 125	1988	HO 8125	3B	450.5	123.5	696-06	5
CR 125	1989	HO 9120	3A	457.0	122.0	696-07	5
CR 250	1987	HO 6432	3A	452.5	125.5	696-08	5
CR 250	1988	HO 8257	3A	461.5	122.5	696-09	5
CR 250	1989	HO 9250	3A	464.5	125.0	696-10	5
XR 250	88-89	HO 8070	3B	379.5	88.0	698-36	5
CR 500	1987	HO 6441	3A	452.5	125.5	696-09	5
CR 500	1988	HO 8505	3B	452.5	125.5	696-10	5
CR 500	1989	HO 9500	3A	463.5	124.0	696-11	5
600 V TRANS ALP	88-89	HO 8360	1	355.0	83.0	1096-44	3
XR 600	88-89	HO 8510	3B	379.0	83.0	580-44	5
NX 650 DOMINATOR	88-89	HO 8370	1	341.5	57.7	1095-59	3

## HUSQVARNA

HVA CR (TWIN)	83-84	HA 0506	PB	474.0	128.0	180-38	2
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## KAWASAKI

KX 125	1988	KA 8125	3A	445.0	135.5	696-05	5
KX 125	1989	KA 9120	3A	447.0	137.5	696-08	5
KX 250	1987	KA 6421	3A	437.5	131.5	696-09	5
KX 250	1988	KA 8255	3A	445.0	135.5	696-08	5
KX 250	1989	KA 9250	3A	449.0	139.5	696-09	5
KX 500	1987	KA 6461	3A	437.5	131.5	696-10	5
KX 500	1988	KA 8507	3A	445.0	135.5	696-10	5
KX 500	1989	KA 9500	3A	449.0	139.5	696-10	5

## KRAMIT

ER-MC 125	88-89	KR 8122	3A	429.5	121.5	696-07	5
ER-MC 250	88-89	KR 8252	3A	429.5	121.5	696-09	5

## KTM

MC 125	87-88	KT 6410	3A	429.5	131.5	696-05	5
MC 125	1989	KT 9122	3A	426.0	127.5	696-07	5
MC 250	87-88	KT 6422	3A	429.5	131.5	696-08	5
MC 250	1989	KT 9252	3A	426.0	127.5	696-09	5
MC 500	87-88	KT 6430	3A	429.5	131.5	696-09	5
MC 500	1989	KT 9501	3A	426.0	127.5	696-10	5
600 LC 4	-88	KT 8605	3A	410.5	120.0	596-15	5

## SUZUKI

RM 125	1987	SU 6471	3A	443.0	126.0	696-05	5
RM 125	1988	SU 8125	3A	446.5	129.5	696-06	5
RM 125	1989	SU 9120	3A	444.0	128.5	696-08	5
RM 250	1987	SU 6481	3A	446.0	126.0	696-06	5
RM 250	1988	SU 8256	3A	445.0	128.5	696-08	5
RM 250	1989	SU 9250	3A	444.0	128.5	696-09	5



## cont OFF ROAD/MX BIKES

BRAND MODEL	YEAR	ART. NO	TYPE	TOT. LENGTH MM	STROKE MM	FITTED SPRING	P/C
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## YAMAHA

YZ 125	1987	YA 6403	3A	420.0	121.0	696-07	5
YZ 125	1988	YA 8125	3A	420.5	121.5	696-07	5
YZ 125	1989	YA 9120	3A	443.5	116.5	696-07	5
YZ 250	1987	YA 6433	3A	420.0	121.0	696-09	5
YZ 250	1988	YA 8255	3A	428.0	122.5	696-09	5
YZ 250	1989	YA 9250	3A	428.0	123.5	696-09	5
TT 350		YA 6171	3B	404.0	106.0	596-11	4
YZ 490	1987	YA 6451	3A	420.0	121.0	696-10	5
YZ 490	1988	YA 8505	3A	428.0	122.5	696-10	5
TT 600	83-88	YA 3212	3B	422.5	87.0	580-27	4
XT 600/TENERE	83-87	YA 4530	1	388.0	87.0	580-27	3
XTZ 750	1989	YA9190	1	457.5	79		3

## FRONT FORK SPRINGS

BRAND MODEL	YEAR	ART. NO	COLOUR CODE	TOT. LENGTH MM	SPRING RATE
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## HONDA

CR 125	1988	8565-37	WHITE-WHITE	565	0.375
CR 125	1989	8565-37			
CR 250	1988	8565-40	RED-BLUE	565	0.400
CR 250	1989	8515-40	GREEN-GREEN	515	0.400
CR 250	1989	8515-42	BLUE-BLUE	515	0.420
CR 500	87-88	8565-42	RED-YELLOW	565	0.420
CR 500	1989	8515-42	BLUE-BLUE	515	0.420

## KAWASAKI

KX 125	1988	8555-37	WHITE-GREEN	555	0.375
KX 125	1989	8510-40	YELLOW-YELLOW	510	0.400
KX 250	87-88	8555-40	WHITE-YELLOW	555	0.400
KX 250	1989	8510-40	YELLOW-YELLOW	510	0.400
KX 250	1989	8510-42	RED-RED	510	0.420
KX 500	87-88	8555-42	WHITE-ORANGE	555	0.420
KX 500	1989	8510-42	RED-RED	510	0.420

## SUZUKI

RM 125	1988	8565-37	WHITE-WHITE	565	0.375
RM 125	1989	8515-40*	GREEN-GREEN	515	0.400
RM 250	1988	8565-40	RED-BLUE	565	0.400
RM 250	1989	8510-40	YELLOW-YELLOW	510	0.400
RM 250	1989	8510-42	RED-RED	510	0.420

## YAMAHA

YZ 125	1988	8492-37	WHITE-BLUE	492	0.375
YZ 125	1989	8510-40	YELLOW-YELLOW	510	0.400
YZ 250	1988	8532-42	WHITE-RED	532	0.420
YZ 250	1989	8510-40	YELLOW-YELLOW	510	0.400
YZ 250	1989	8510-42	RED-RED	510	0.420
YZ 490	1988	8532-42	WHITE-RED	532	0.420

Öhlins fork springs are packed in kits of two springs. Preferable used together with Öhlins front fork fluid No 4 (Part No 1305-01).

\* In addition with spacers part No 8050-01.



## SNOWMOBILES

BRAND MODEL	YEAR	ART. NO	TYPE	TOT. LENGTH MM	STROKE MM	FITTED SPRING	P/C
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### ARCTIC CAT

EL TIGRE FRONT	85-86	AC 5776*	PB	258	71	180-42	2
EL TIGRE REAR	85-86	AC 6566*	PB	367	129	180-39	2
JAG AFS REAR/FRONT	1989	AC 8380	S1	248	61	-	0
JAG AFS REAR/REAR	1989	AC 8390	PB	382	134	-	0

### LYNX

GLS 3300 FRONT	85-	LR 5371*	PB	330.5	97	180-22	2
GLS 3300 REAR/FRONT	85-	LY 8390	PB	279	81	180-45	0
GLS 3300 REAR/REAR	85-	LY 8380	S2	364	114	181-02	1

### POLARIS

INDY FRONT	85-	PF 5252*	PB	330	97	180-25	2
INDY REAR/FRONT	85-	PB 8390	S2	255	61	180-45	0
INDY REAR/REAR	85-	PB 8380	S1	375	121	-	0

### SKI-DOO

MACH 1 FRONT	1989	SK9200*	PB				
MACH 1 REAR/FRONT	1989	SK9210	PB				
MACH 1 REAR/REAR	1989	SK9220	PB				

### YAMAHA

CS 340 REAR	88-89	YA 8510	S1	379	120	-	0
CS 340 FRONT T.S.S.	88-89	YA 8490*	S4	471		179-01	2
ET 400 T/R	-89	YA 8210	S2	379	120	180-39	0
EXCITER REAR/FRONT	-89	YA 8430	S1				0
EXCITER REAR/REAR	-89	YA 8440	S3				1
EXCITER FRONT T.S.S.	-89	YA 8700*	S5				8
PHAZER REAR	-89	YA 7411	S1	379	120	-	0
PHAZER FRONT T.S.S.	-89	YA 8220*	S4	497		179-01	2
SRV REAR	-89	YA 8090	S2	364	114	181-02	0

## ATV - FOUR WHEELERS

BRAND MODEL	YEAR	ART. NO	TYPE	TOT. LENGTH MM	STROKE MM	FITTED SPRING	P/C
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### HONDA

FOURTRAX 250R REAR	87-89	HO 7102	3B	414.5	110	596-09	5
FOURTRAX 250R FRONT	87-89	HO 7163*	PB	340	105	180-33	5

### SUZUKI

QUADRACER REAR	85-86	SU 5161	3B	383	111	596-03	5
QUADRACER FRONT	85-86	SU 5172*	PB	308	80.5	180-34	5
QUADRACER REAR	87-	SU 9150	3B	380.5	104	596-09	5
QUADRACER FRONT	87-	SU 9140*	PB	383	97	180-48	5

### YAMAHA

BANSHEE FRONT		YA 7021*	PB	360.5	109	180-29	5
BANSHEE REAR		YA 7030	3B	345	91	698-19	5

Please note:

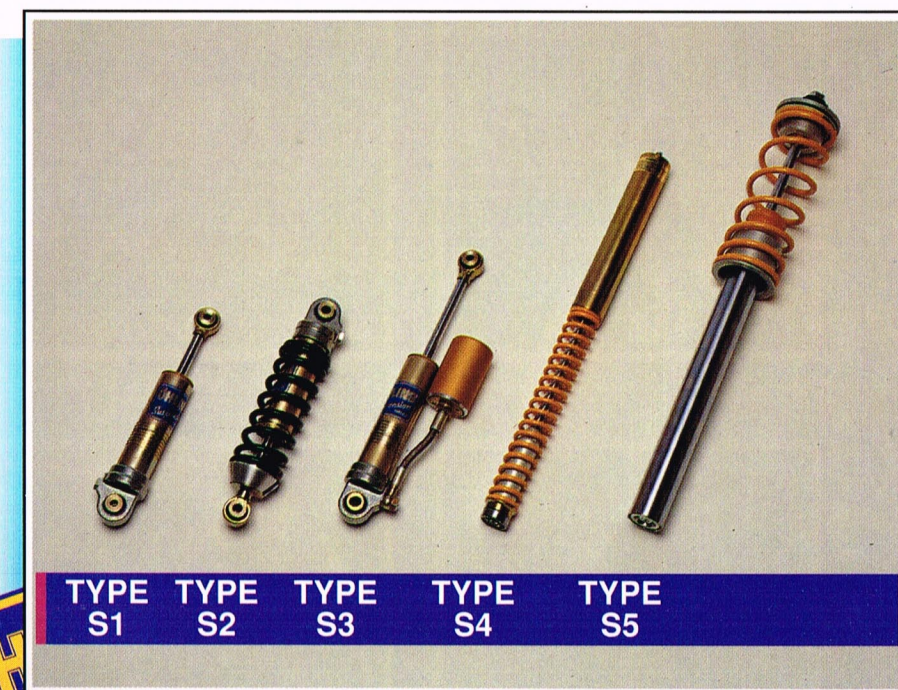
\* These shocks are delivered as pairs.

## SNOWMOBILE SHOCK ABSORBERS

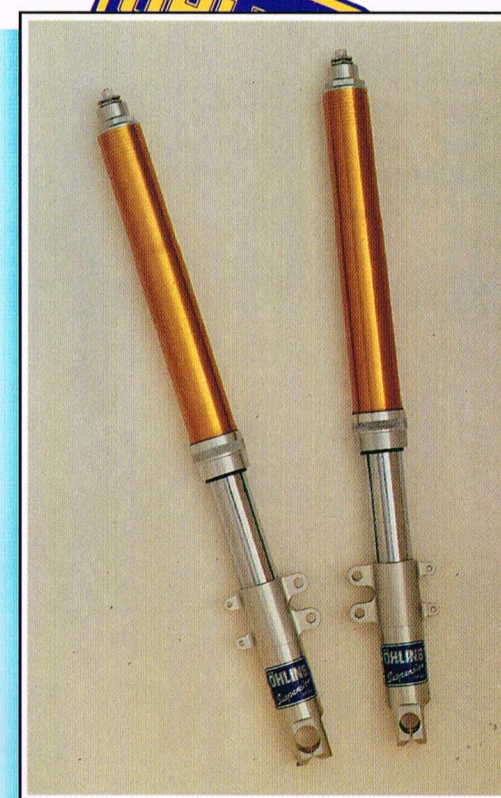
Öhlins gas pressurized shocks combine multistage valving with fade resistant operation.

These shocks have been tested for several years in cross country racing and on snow cross circuits.

Careful matching of springs and dampening gives a much improved ride over high-speed ripples and large moguls.



TYPE S1 TYPE S2 TYPE S3 TYPE S4 TYPE S5



## FRONT FORK

Öhlins advanced front fork for road racing, from 250 cc racing machines to superbikes. Adjustments of compression and rebound damping as well as the spring pre-load, can very easily be made from the outside, and exactly to the drivers requests.

Art.No. FG 9000 (SuperBike)  
Art.No. FG 9020 (250cc)

## FRONT FORK FLUID No. 4

Specially formulated for use in cartridge type front forks. Gives excellent performance and guaranteed low friction in your front fork. Art.No. 1305-1

## ÖHLINS SUSPENSION FLUID

Specially formulated for use in Öhlins shock absorbers. Art.No. 105-1

## FRONT FORK SPRINGS

The springs are packed in kits of two springs and are ready to fit into the standard front forks. For further details, please check recommendation list.