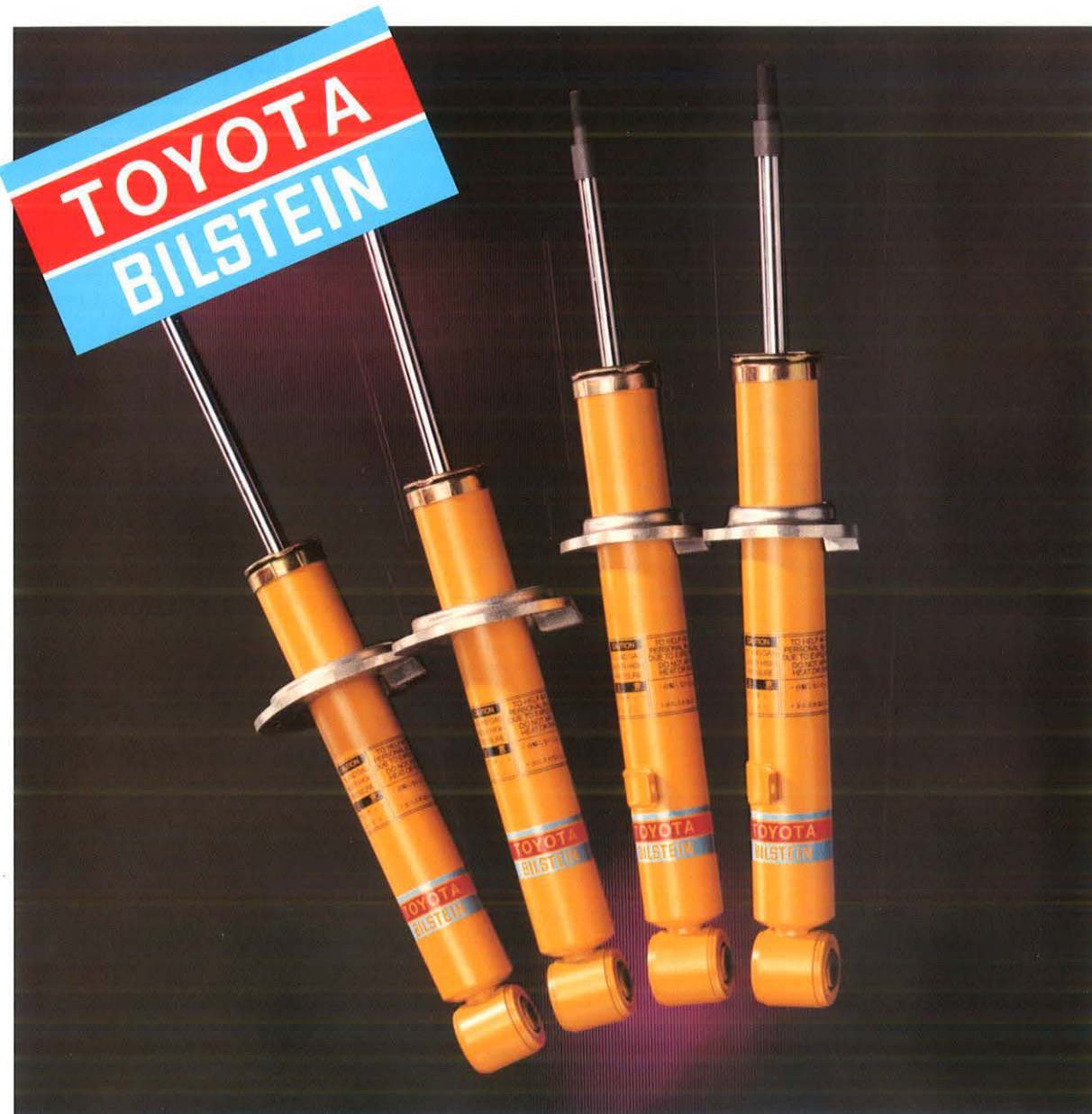




Good News



Toyota and Bilstein.



Rallye World Champion 1990 Carlos Sainz driving Toyota Celica Turbo 4 WD with Bilstein.



Landcruiser with Bilstein, also successful in desert rallies.

Explanations and notes.

- | | |
|--------------------|---|
| F = Spring seat | 1) Special mounting spanner MS 09 available |
| A = Top Mount | 2) Only for shortened springs |
| O = Bottom Mount | 3) Mounting with special tool only |
| S = Pin | 4) Mounting on one axle only is not permitted |
| A = Eye | 5) Range of types |
| B = Base | 6) Steering |
| L = Bracket | 7) With heim joints |
| G = Fork | 8) For Boge struts only |
| X = Special design | 9) Without level control system |
| N = Stub axle | |

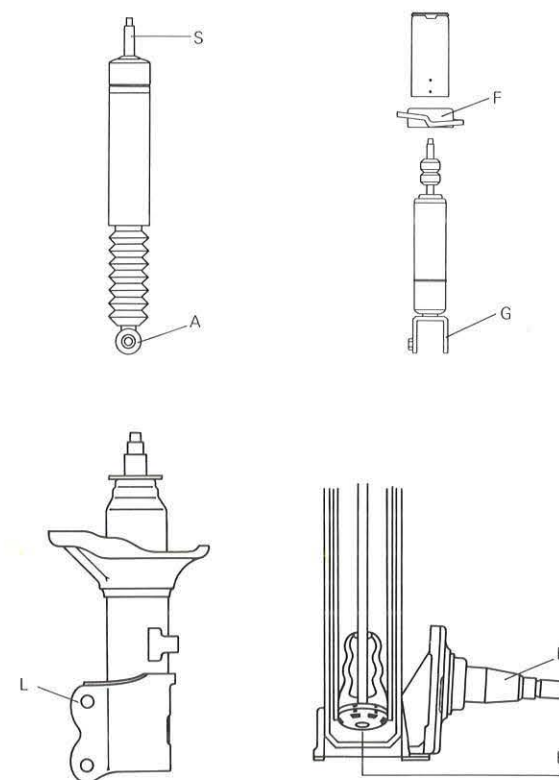
Important:

To ensure trouble-free operation, Bilstein inserts should only be incorporated in Bilstein front axle struts in technically perfect condition. Friction bearings and lubrication require special attention. In the event of excessive play, the complete front axle struts must be replaced.

Instructions for placing orders.

In case of doubt, please state exact vehicle model and year of manufacture. Our terms of delivery and payment apply to all orders

placed. These are subject to alteration without notice. Reproduction - even of extracts - without our permission is strictly prohibited.



Very important!

Please note: Disposal of old parts must be carried out exactly in accordance with

the instructions contained in the main list of types pages 58 and 59.

LIST OF TYPES

August 1991 Edition

Fahrzeugtyp Model Marques et types Modelo	Baujahr Year Années Año	Einstellung Setting Tarage Ajuste	Vorderachse Front axle Avant Eje delantero	A A* O U	Hinterachse Rear axle Arrière Eje trasero	A A* O U
TOYOTA						
Starlet						
Turbo E-Ep 71	1.86-	Sport	P30-0342	S B	B46-1165	F S A
Ep 82	12.89-	Sport	R30-5019 ⁹⁾	S S	B46-1499	F S A
Corolla, Sprinter						
KE 30 (außer/except Van) KE 40,50,60 ser. (incl. Liftback)	4.74-5.79		—		B46-0317	S A
TE 30 ser. (außer/except Van) TE 40,50,60 ser	4.74-6.79		—		B46-0317	S A
KE 70, AE 70	6.79-5.83	Sport Stiffer Alternative	P30-0097	S B	B46-0319 B46-0154	S A S A
TE 70,71, CE 70	6.79-5.83	Sport Rallye	P30-0098	S B	B46-0319 B46-0154	S A S A
AE 80, AE 81,FX GT AE 82 CE 80	5.85-4.87	Sport	P30-0166	S B	R30-5007 ⁹⁾	S B
AE 85,AE 86 (Twin cam 16 valves)	5.83-85	Sport Rennen/Rallye race/rallye	P30-0098	S B	B46-0319 B46-0154	S A S A
Levin Trueno						
AE 91,92,GT,GTV,GTZ (Standard) (with TEMS)	5.87- 6.87-	Sport Sport	P30-0345 P30-0346	S B S B	R30-5015 ⁹⁾ P30-0347	S S S B
Carina						
TA 10,30, RA 10,30	2.70-7.77	Sport	P30-0097	S B	B46-0319	S A
TA 40,41,42,45,46,47 RA 40,45,46	8.77-9.81	Sport	P30-0097	S B	B46-0307	S A
TA 61,63, RA 63, CA 60	9.81-6.84	Sport Stiffer Alternative	P30-0172	S B	B46-0306 B46-0193	S A S A
AA 60, CA 60, CE 60	9.81-6.84	Sport Stiffer Alternative	P30-0097	S B	B46-0306 B46-0193	S A S A
CE 60,AE 60 G	9.81-	Sport	P30-0097	S B	—	
SA 60 G	2.82-	Sport	P30-0097	S B	—	
AA 63	5.83-6.84	Sport Stiffer Alternative	— —		B46-0306 B46-0193	S A S A
2.0i E-ST 162 (Twin cam 16 valve) AT 160, ST 160	8.85-7.87	Sport	P30-0190	S B	R30-5006 ⁹⁾	S S

* Refer to page 3 for explanations and notes.



LIST OF TYPES August 1991 Edition

Fahrzeugtyp Model Marques et types Modelo	Baujahr Year Années Año	Einstellung Setting Tarage Ajuste	Vorderachse Front axle Avant Eje delantero	A A* O U	Hinterachse Rear axle Arrière Eje trasero	A A* O U
Camry / Vista						
TA 40	1.80-3.82	Sport	P30-0097	S B	B46-0307	S A
RA 55, RA 56, TA 57	8.80-3.82	Sport Stiffer Alternative	P30-0172	S B	B46-0306 B46-0193	S A S A
Celica						
TA 20,22 TA 27	12.70-8.75	Sport Stiffer Alternative	—		B46-0319 B46-0154	S A S A
TA 23,28 (Liftback) 35, RA 23,28	1.75-9.77	Sport Stiffer Alternative	P30-0097	S B	B46-0319 B46-0154	S A S A
TA 40,45 RA 40,45 (GT,GTV,GTR) 13 inch Tyre/Reifen	8.77-7.80	Sport	P30-0097	S B	B46-0307	S A
TA 40, RA 40 (GT,GTV) 14 inch Tyre/Reifen	8.77-4.78	Sport	P30-0172	S B	B46-0307	S A
TA 40,45 RA 40,45 (GT,GTV,GTR) MA 45,46 (4) 14 inch Tyre/Reifen	4.78-7.80	Sport	P30-0172	S B	B46-0307	S A
RA 41,42,46 RA 40,46 (ET,LT,XT,ST,SE),TA 47	8.77-7.80	Sport	P30-0097	S B	B46-0307	S A
TA 45, RA 45 13 inch Tyre/Reifen	8.80-7.81	Sport	P30-0097	S B	B46-0307	S A
TA 45, RA 45, 14 inch Tyre, MA 4 series XX	8.80-7.81	Sport	P30-0172	S B	B46-0307	S A
TA 41,46,47,RA 46	8.80-7.81	Sport	P30-0097	S B	B46-0307	S A
MA 50 series (XX) TA 55, RA 55	8.80-7.81	Sport Stiffer Alternative	P30-0172	S B	B46-0306 B46-0193	S A S A
GA 61, (2000 XX) Supra	7.81-85	Sport Stiffer Alternative	P30-0171	S B	B46-0306 B46-0193	S A S A
MA 61 (2800) Supra MA 63	7.81-85	Sport Stiffer Alternative	P30-0176	S B	B46-0306 B46-0193	S A S A
TA 61,63 (GTV),64,RA 63	7.81-85	Sport Stiffer Alternative	P30-0172	S B	B46-0306 B46-0193	S A S A
SA 60	7.81-1.84	Sport	P30-0097	S B	B46-0307	S A S A
TA 63 (ST,SX)	7.81-8.85	Sport Stiffer Alternative	P30-0172	S B	B46-0306 B46-0193	S A S A
GA 61 (2000GT Twin cam 24)	8.82-8.83	Sport Stiffer Alternative	P30-0176	S B	B46-0306 B46-0193	S A S A
2,0 GTR AT 160, ST 160, 162 (Twin cam 16) E-ST 162	8.85-7.87	Sport	P30-0190	S B	R30-5006 ⁹⁾	S S
GT-R ST-183, ST-182	9.89-	Sport	P30-0352	S B	R30-5020 ⁹⁾	S S

* Refer to page 3 for explanations and notes.

**BILSTEIN****Shock Absorbers
Sports Kits****LIST OF TYPES****August 1991 Edition**

Fahrzeugtyp Model Marques et types Modelo	Baujahr Year Années Año	Einstellung Setting Tarage Ajuste	Vorderachse Front axle Avant Eje delantero	A A' O U	Hinterachse Rear axle Arrière Eje trasero	A A' O U
Supra						
GA 70 (2000 cc)	1.86-	Sport	B46-1127	F S A	B46-1128	F S A
MA 70 (3000 cc TEMS)	1.86-	Sport Alu-Competition	B46-1125 B46-1313	F S A F S A	B46-1126 B46-1314	F S A F S A
Corona						
TT 130,131, RT 133 13 inch Tyre/Reifen	9.78-12.81	Sport	P30-0097	S B	B46-0307	S A
TT131,RT133,TT 132 RT 132, 14 inch Tyre/Reifen	9.78-12.81	Sport	—		B46-0307	S A
RT 141 (2000GT) TT 142 (1800EFI)Twin cam Turbo	1.82-	Sport Stiffer Alternative	P30-0172	S B	B46-0306 B46-0193	S A S A
CT 140 (GX,EXS),AT 140,ST 140	1.82-	Sport	P30-0097	S B	B46-0307	S A
TT 142 (GTT,GTTR)	1.82-	Sport Stiffer Alternative	P30-0172	S B	B46-0306 B46-0193	S A S A
ST 150	1.83-		—		—	
Mark II						
RX 31,41, MX 31,33,41,43 TX 30,40 RX 30,40 MX 30,40, LX 40	1.77-8.80	Sport Stiffer Alternative	—		B46-0306 B46-0193	S A S A
1800,2000 Station Wagon, Van (RX 37V,MX35,45,TX47)	1.77-10.80	Sport Stiffer Alternative	—		B46-0306 B46-0193	S A S A
GX 61 (2000) MX 63 (2800 Grande)	9.80-8.82	Sport Stiffer Alternative	—		B46-0306 B46-0193	S A S A
RX 63 (2000GT), GX 61 (GT,LGT) MX 61 (LGT Turbo)	9.80-8.82	Sport Stiffer Alternative	P30-0098	S B	B46-0306 B46-0193	S A S A
TX 60, RX 60, GX 60, MX 60 LX 60 (SED,HT)	9.80-8.82	Sport Stiffer Alternative	—		B46-0306 B46-0193	S A S A
GX 61 (Twin cam 24), MX61 LX 65	8.82-	Sport Stiffer Alternative	P30-0098	S B	B46-0306 B46-0193	S A S A
SX 60	8.82-9.84	Sport	P30-0098	S B	—	
GX 71 with TEMS (2000)	9.84-	Sport	P36-0165	S B	B46-1027	S A
GX 71 except TEMS incl. Turbo		Sport	P30-0176	S B	—	
Mark II GX 81 (Standard) (with TEMS)	8.88-	Sport Sport	P36-0348 P36-0349	S B S B	B46-1338 B46-1339	S A S A
MR II AW 10	6.84-7.86	Sport	P30-0186	S B	P30-0187	S B
MR II AW11 Super Charger	8.86-11.89	Sport	P30-0343	S B	P30-0344	S B

* Refer to page 3 for explanations and notes.

**BILSTEIN****Shock Absorbers
Sports Kits****LIST OF TYPES**
August 1991 Edition

Fahrzeugtyp Model Marques et types Modelo	Baujahr Year Années Año	Einstellung Setting Tarage Ajuste	Vorderachse Front axle Avant Eje delantero	A A' O U	Hinterachse Rear axle Arrière Eje trasero	A A' O U
Cressida / Cresta		Sport	P30-0098	S B	B46-0306	S A
GX 51 (Super Touring)	3.80-8.82	Stiffer Alternative			B46-0193	S A
GX 51 (Super Lusent)	3.80-8.82	Sport	P30-0098	S B	B46-0306	S A
		Stiffer Alternative			B46-0193	S A
TX 50, GX 50	3.80-8.82	Sport	P30-0098	S B	B46-0306	S A
		Stiffer Alternative			B46-0193	S A
GX 61 (EFI), GX 61 (TWC), MX61	8.82-8.84	Sport	P30-0098	S B	B46-0306	S A
		Stiffer Alternative			B46-0193	S A
SX 60	8.82-8.84	Sport	P30-0098	S B	—	
GX 71 and MX 71 with TEMS	9.84-	Sport	P36-0165	S B	B46-1027	S A
GX 71 except TEMS incl. Turbo		Sport	P30-0176	S B	B46-1027	
GX 81 (Standard)	8.88-	Sport	P30-0348	S B	B46-1338	S A
(with TEMS)		Sport	P36-0349	S B	B46-1339	S A
Soarer	2.81-12.85	Sport	P30-0098	S B	B46-0306	S A
GZ 10 (2000)		Stiffer Alternative			B46-0193	S A
MZ 10 Turbo, MZ 11 Turbo (2800) except TEMS	2.81-12.85	Sport	P30-0176	S B	B46-0306	S A
		Stiffer Alternative			B46-0193	S A
MZ 10 Turbo, MZ 11 Turbo (2800)	2.81-12.85	Sport	P36-0189	S B	B46-1027	S A
MZ 12 (3000) Twin cam GT	12.83-12.85	Sport	P36-0189	S B	B46-1027	S A
2800 Ltd		Sport			B46-0193	S A
GZ 20 (2000 cc)	1.86-	Sport	B46-1125	F S A	B46-1126	F S A
MZ 20 (3000 cc) TEMS	1.86-	Sport	B46-1127	F S A	B46-1128	F S A
MZ 20 (3000 cc) TEMS		Alu-Competition	B46-1313	F S A	B46-1314	F S A
Chaser						
RX 31, 41, MX 41, (außer/except SGS)	7.77-8.80	Sport	—		B46-0306	S A
(außer/except RX 41D)	4.80-8.80	Stiffer Alternative			B46-0193	S A
RX 30, 40, MX 30, 40	6.77-8.80	Sport	—		B46-0306	S A
		Stiffer Alternative			B46-0193	S A
TX 30, 40	6.77-8.80	Sport	—		B46-0306	S A
		Stiffer Alternative			B46-0193	S A
MX 41 D (SGS, RX 41 D) (GS) Sports Suspension	6.77-8.80	Sport	—		B46-0306	S A
		Stiffer Alternative			B46-0193	S A
RX 63, GX 61, MX 61 (SGT)	9.80-7.82	Sport	P30-0176	S B	B46-0306	S A
		Stiffer Alternative			B46-0193	S A
TR, RX, GX, LX 60	9.80-7.82	Sport	—		B46-0306	S A
		Stiffer Alternative			B46-0193	S A

* Refer to page 3 for explanations and notes.



LIST OF TYPES

August 1991 Edition

Fahrzeugtyp Model Marques et types Modelo	Baujahr Year Années Año	Einstellung Setting Tarage Ajuste	Vorderachse Front axle Avant Eje delantero	A A' O U	Hinterachse Rear axle Arrière Eje trasero	A A' O U
GX 61 (SGT Avante) RX 63 (2000GT) MX 61 (SGT Avante Turbo)	9.80-8.82	Sport Stiffer Alternative	P30-0098	S B	B46-0306 B46-0193	S A S A
MX 61 (SGT), LX b65, LX 60	8.82-8.84	Sport	P30-0098	S B	B46-0193	S A
GX 71 with TEMS	9.84-	Sport	P36-0165	S B	B46-1027	S A
GX 71 except TEMS		Sport	P30-0176	S B	B46-1027	
Crown						
MS 80, 90, 100 series RS 80 ser., 100 Ser. (Taxi)	11.75-9.79	Sport	B36-0308	S A	B46-0309	S A
RS 80, 100 series MS 80, 90, 100 ser., LS 100 series (except Taxi,incl. Van.)	10.74-9.79	Sport	B36-0308	S A	B46-0309	S A
MS 100, 112, MS 110 G	10.79-7.83	Sport	B36-0308	S A	B46-0309	S A
LS 110 (Diesel), LS 117V MS 117V, LS 110 G, MS 110 G, LS 110 V, MS 117 V (Van + Wagon)	10.79-7.83	Sport	B36-0308	S A	B46-0309	S A
MS 110 Turbo	10.79-7.83	Sport	B36-0308	S A	B46-0309	S A
YS 129, GS 120, MS 120 MS 21, MS 123, MS 125 (except self levelling system)	8.83-8.87	Sport	B46-0067	S A	B46-0077	A A
EMS 125 3,0l (except self levelling system)	8.83-8.87	Sport	B46-0067	S A	B46-1065	A A
Crown Royal Saloon 2,8 EMS 123/125	8.83-8.87	Sport	B46-0067	S A	B46-1065	A A
EGS - 131, EMS - 135	9.87-	Sport	B46-1257	S A	B46-1270	A A
Lexcen						
		Sport lowered ride hight	P36-0144 P36-0303	S B S B	B46-0846 B46-1406	S A S A
Landcruiser						
FJ 40, 40V BJ 40, BJ 42 FJ 43,BJ 43,BJ 45,FJ 45V	3.69-	Heavy Duty	B46-0248	A A	B46-0258	A A
FJ 55, 56V	3.69-	Heavy Duty			B46-0258	A A
HJ60, FJ60, BJ60, BJ61	4.80-10.85	Heavy Duty	B46-0247	S A	B46-0256	A A
HJ60,FJ60,BJ60	11.85-88	Heavy Duty	B46-0247	S A	B46-1132	A A

* Refer to page 3 for explanations and notes.



BILSTEIN

Shock Absorbers Sports Kits

LIST OF TYPES August 1991 Edition

Fahrzeugtyp Model Marques et types Modelo	Baujahr Year Années Año	Einstellung Setting Tarage Ajuste	Vorderachse Front axle Avant Eje delantero	A A* O U	Hinterachse Rear axle Arrière Eje trasero	A A* O U
HJ61,BJ61,FJ61,HJ62,BJ62,FJ62	85-90	Heavy Duty	B46-0247	S A	B46-1132	A A
Version with square Head light		Heavy Duty	B46-1004	S A	B46-1035	A A
HJ70,BJ70, FJ70, BJ71, BJ72 s.w.b. BJ 73, FJ 73 m.w.b. BJ75, HJ75, FJ75 l.w.b.	11.84-88	Heavy Duty Heavy Duty Heavy Duty	B46-1004 B46-1004 B46-1004	S A S A S A	B46-1035 B46-1035 B46-1036	A A A A A A
RJ70, LJ70, LJ73, LJ75 (Coil Spring)	8.89-4.90	Heavy Duty Heavy Duty	B46-1033	S S	B46-1187 L B46-1188 R	S A A A
FJ80 incl. EFi (Coil Spring)	90-	Heavy Duty	B46-1477	S S	B46-1478	S A
HDJ80, HZJ80,HJ80 (Coil Spring)	90-	Heavy Duty	B46-1477	S S	B46-1478	S A
HDJ81	90-	Heavy Duty	B46-1477	S S	B46-1478	S A
Prado LJ71, LJ78	5.90-	Heavy Duty	B46-1484	S A	B46-1485	A A
HJ73,HJ77,PF70,PF77, HZJ73,PFZ70,77,PZJ77 V	5.90-	Heavy Duty	B46-1479	A S	B46-1480	A S
Hilux Pick-Up RN30, RN36, YN40, YN46	81-11.83	Heavy Duty	B46-0425	S A	B46-1024	A A
RN 46 L -4WD- YN 63 -4WD-	-83 83-	Heavy Duty Heavy Duty	B46-0425 B46-0425	S A S A	B46-0258 B46-1024	A A A A
YN60, YN65, LN60, LN65	12.83-	Heavy Duty	B46-0425	S A	B46-1024	A A
LN 61,YN 61	86-4.89	Heavy Duty	B46-1139	S A	B46-1140	A A
Surf YN60V, YN65, 65V, LN65	12.83-11.85	Heavy Duty	B46-0425	S A	B46-1024	A A
Surf-Wagon YN61V, 61G, LN61V -4WD- YN51, YN56, LN51, LN56 -2WD-	12.85- 12.85-	Heavy Duty	—		B46-1024	A A
Surf E-Yn 130G/Q-LN 130G S-LN 130V	5.89-	Heavy Duty	B46-1468	S A	B46-1469	S A
4 Runner LN60, YN60	9.84-85	Heavy Duty	B46-0425	S A	B46-1140	A A
RN67, RN61	85-	Heavy Duty	B46-1139	S A	B46-1140	A A
Pickup RN63, RN66 -4WD-	85-	Heavy Duty	B46-1139	S A	B46-1140	A A
Hiace N-LH66y, N-LH56 y Hiace Y50 (10 seater) Y60 (16 seater)	8.87-	Heavy Duty Heavy Duty	B46-1233 B46-1233	S A S A	B46-1235 B46-1234	A A A A

* Refer to page 3 for explanations and notes.

**BILSTEIN****Shock Absorbers
Sports Kits**

Successful partnership: Toyota and Bilstein.

Worldwide commitment and mutual success in the motor sport scene have cemented a strong partnership between Toyota and Bilstein.

One of the major results of this collaboration is that the Toyota Supra will be equipped, with immediate effect, as standard with Bilstein gas pressure shock absorbers for the Japanese market. With this move, yet another world-renowned maker puts his faith in Bilstein.

During the last 10 years shock absorbers have systematically been developed for the Japanese market and marketed by our very active Bilstein distributor. Today, Japan is Bilstein's second largest export market after the United States of America.

Original Equipment: Toyota Supra with Bilstein



Just as traditional are the successes with Toyota – both off and on the road. Business relations between Toyota and Bilstein exist since 1974 when the former world class Rallye driver Ove Andersson set up the Toyota Sports Organization „Toyota Team Europe“.

During the years, Rallye sport was a permanent challenge for the shock absorber manufacturers. With cars becoming more powerful and Rallye circuits more

Putting the experience gained into series production.

These successes also have a very positive influence on everyday motoring.

If shock absorbers prove their efficiency under such extreme conditions as those prevalent in racing sport, then there can be no doubt that they will satisfy everyday motoring demands.

A philosophy that influences both the sporty and the safety-conscious motorist worldwide and prompts him to choose Bilstein gas pressure shock absorbers. Japan can now also be added to the list.



Victory in the Australien Rallye

Traditional success.

Bilstein have been successfully engaged in motor sport for over 30 years. The name of Bilstein is repeatedly found in the winners' lists of world championships and other racing events including rallies and Formula 1.

demanding, intensive development of shock absorbers was the logical consequence.

The Toyota Landcruiser and Celica stand for many victories in racing and Rallye sport. During the 1990 season the Spaniard Carlos Sainz became World Champion driving Toyota Celica Turbo 4 WD. Once again, Toyota relied on shocks from Bilstein.

Björn Waldegaard



The supply of Bilstein shock absorbers as original equipment for further Toyota models, and for Toyota cars in other countries, is the next step in our partnership with Toyota.

August Bilstein GmbH & Co. KG

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BILSTEIN

A member of the Hoesch Group