

# TOURATECH

TOURING RALLYE RACING TECHNOLOGY

März 2004

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01-040-0721-0

## Installation Instructions Risers/Adaptors 30/60 mm X-line

### Contains:

- 2 x Risers/Adaptors Magura X-line handlebar 60 or 30 mm
- 2 x Clamp Magura X-line handlebar
- 4 x Screw hex M8x40 or M8x70
- 4 x Screw hex M8x30



Klemmsatz 30 mm



Klemmsatz 60 mm

Handlebar clamps to adapt Magura handlebars on bikes with 22mm handlebar. The bolt spacing on the clamps must be 32mm from center to center and it must use M8 bolts.

## Installation:

Remove the original handlebar controls. Information to this can be found on shop or repair manual. Make sure no brake/hydraulic fluid gets out at right grip and that brake or clutch levers are NOT operated during installation! Open the stock handlebar clamps and remove the original handlebar off the risers.

Handlebar may sit very tightly and you may need to use rubber hammer to remove the bars. Install the new risers with four M8x40 or M8x70 screws. Make sure the risers sit as straight and parallel as possible.

Do not tighten the bolts yet but set the Magura bar on the risers to be able to adjust the risers correctly. Remove the bar again and tighten the riser bolts to BMW specs.

Set the bar on again and align correctly (markings on the bar middle help centering the bar). Set the new clamps on the bar. Check again the manufacturers shop/repair manual concerning the assembly sequence of bar, controls and grips.

Tighten the new clamps with four M8x30 screws to 21Nm torque.

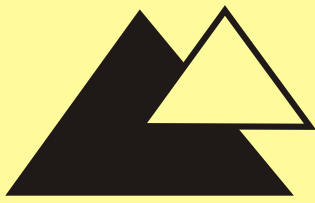
### ATTENTION:

Examine that all cables and hoses still have adequate length! Especially with the 60mm risers. Turn steering to full right and left lock to check for cable length.

Installation of aftermarket handlebars may require approval in some countries

### NOTE:

To install handprotectors on 28mm Magura handlebar adapter kit 040-0534 is needed.



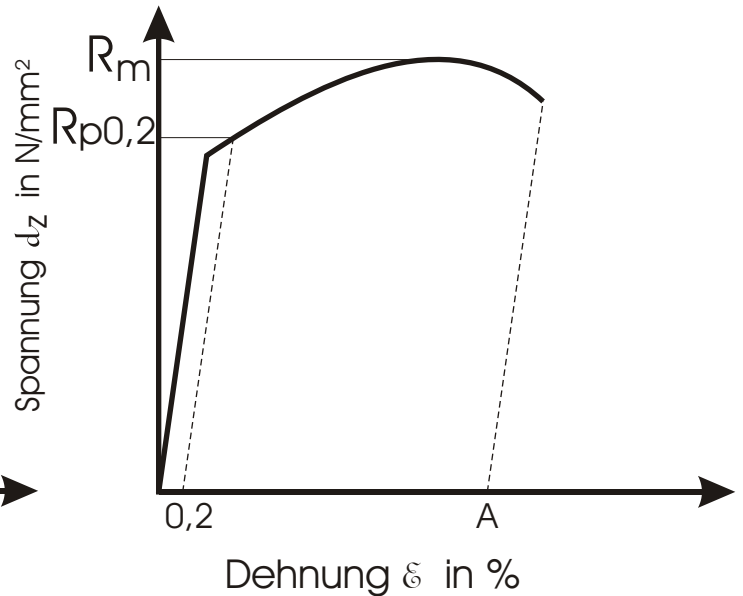
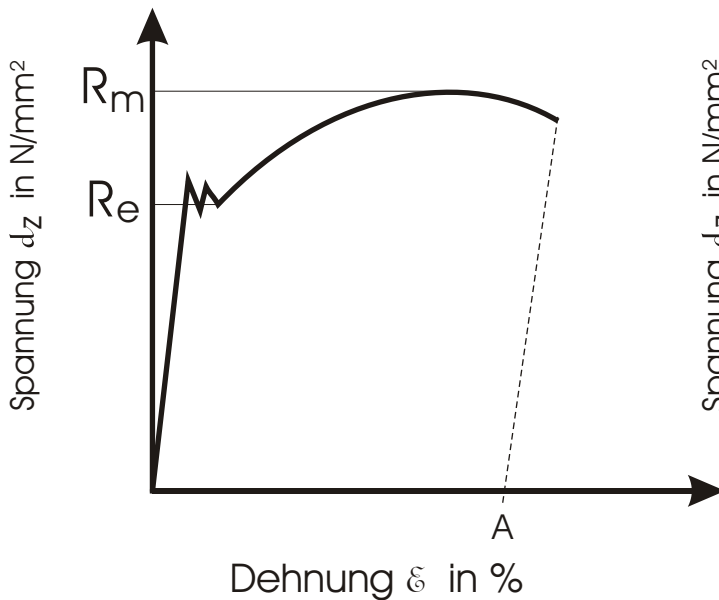
## Materialeigenschaften Klemmsatz

### Klemmsatz:

**Werkstoff:** AlMg3 (gefräst bzw. geschmiedet)  
Werkstoff-Nummer: 3.3535  
2,6...3,4Mg, 0...0,5Mn, 0...0,3Cr, Rest Al

Eigenschaften:	Zugfestigkeit $R_m$ (N/mm <sup>2</sup> )	180
	0,2-Grenze $R_{p0,2}$ (N/mm <sup>2</sup> )	80
	Bruchdehnung $A_5$ (%)	14
	Brinellhärte HB	45

### Zugversuche nach DIN 50145



### Schrauben:

Zylinderschrauben mit Innensechskant DIN 912 M8x30/40/65/70 8.8

Eigenschaften:	Zugfestigkeit $R_m$ (N/mm <sup>2</sup> )	800
	Streckgrenze $R_e$ (N/mm <sup>2</sup> )	640
	0,2-Grenze $R_{p0,2}$ (N/mm <sup>2</sup> )	640
	Bruchdehnung $A_5$ (%)	12