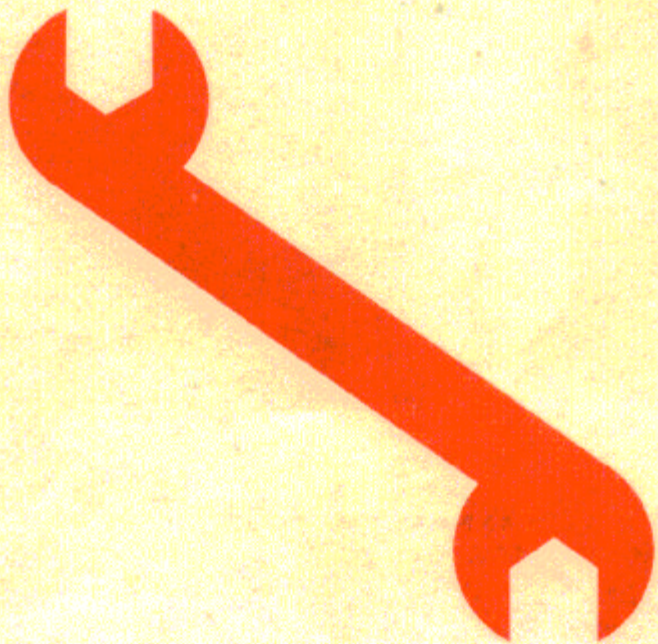


Technical Data - Manual Transmission		Year	88 - 91
		Model	Z 1
		Unit	
<b>23 00 ... Transmission in General</b>			see Operating Manual Specifications
Oil Grade			
Oil Volume	l		1,25
	- after filling or repairing transmission		1,35
Ratio	i =		3,83
1st gear			$\frac{32 \times 41}{28 \times 14}$
	Number of teeth		
2nd gear	i =		2,20
			$\frac{34 \times 37}{26 \times 22}$
	Number of teeth		
3th gear	i =		1,40
			$\frac{34 \times 30}{26 \times 28}$
	Number of teeth		
4th gear	i =		1
			-
	Number of teeth		
5th gear	i =		0,81
			$\frac{34 \times 26}{26 \times 42}$
	Number of teeth		
Reverse gear	i =		3,46
			$\frac{34 \times 21 \times 37}{26 \times 14 \times 21}$
	Number of teeth		
<b>23 11...Case and Cover</b>			
Temperature for installation of bearings	°C		80
<b>23 21... Transmission Shafts</b>			
Axial play (axial bearing clearance) of:			
Output shaft	mm		0 ... 0,09
Input shaft	mm		0 ... 0,09
Layshaft			0,13 ... 0,23
Output shaft drive pinion			
- radial runout	mm		0,07
Output flange			
- radial runout	mm		0,07
- axial runout	mm		0,1
<b>23 22...Gears (Layshaft)</b>			
Pressing off force	3rd gear	kN	-
	at temperature	°C	-
	4th gear	kN	-

<b>Technical Data - Manual Transmission</b>		<b>Year</b>	88 - 91
		<b>Model</b>	Z 1
		<b>Unit</b>	
Pressing on force	at temperature	°C	-
	5th gear	kN	5,5 ... 6,8
	at temperature	°C	ca. 120
	3rd gear	kN	-
	at temperature	°C	-
	4th gear	kN	-
	at temperature	°C	-
	5th gear	kN	4,9 ... 6,8
	at temperature	°C	ca. 120
<b>23 23...Synchronization</b>			
Distance between synchromesh ring and clutch body			
	New condition	mm	1,0 ... 1,3
	Max. wear limit	mm	0,8
Reverse gear	New condition	mm	0,5 ... 0,6
	Max. wear limit	mm	0,4
<b>23 23...Guide Sleeves</b>			
Pressing off force	1st / 2nd and 5th / Reverse. gear	kN	3,7
	3rd / 4th gear	kN	3,0
Pressing on force	1st / 2nd and 5th / Reverse. gear	kN	2,5
	3rd / 4th gear	kN	2,1
<b>23 31...Interior Shift Parts</b>			
Shift fork guide width	1st ÷ 5th gear	mm	4,8





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**All Service Informations are saved in german language, please find them in the german manual.**