



Prototyp2 - Prototyp2 - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

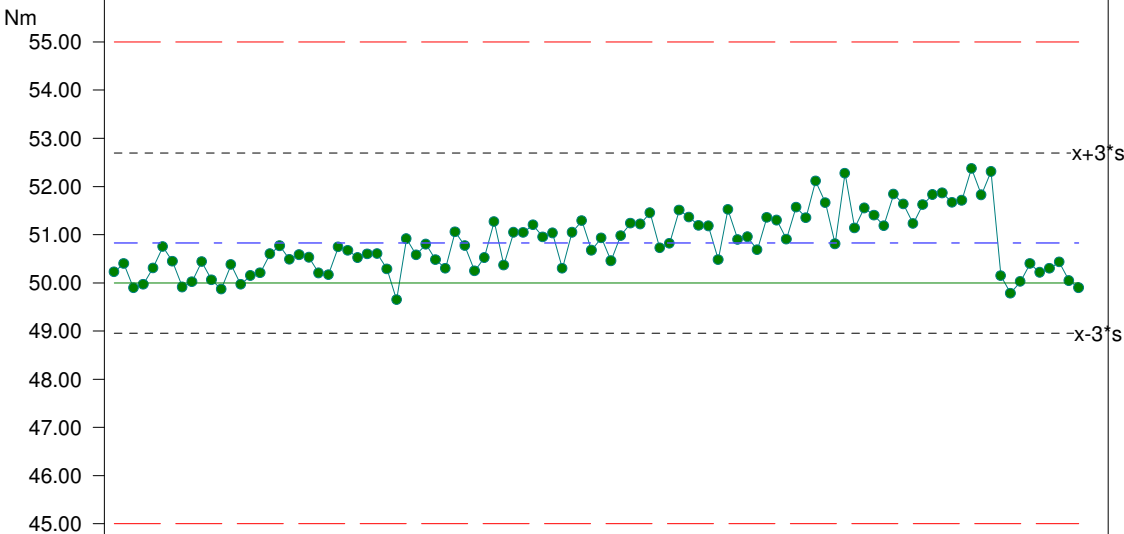
BMW AG
TP-521

vom 01.07.2010

Artmann
Tel. 08731-76-31002

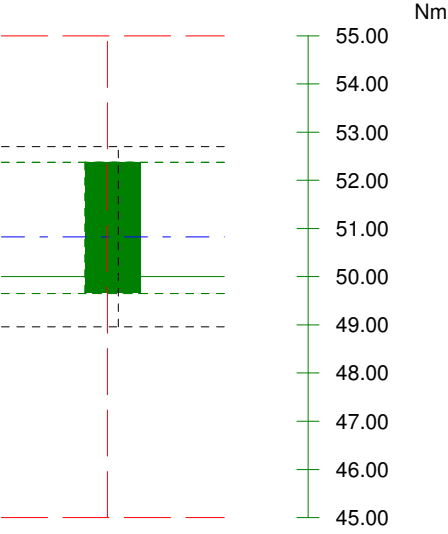
Gedruckt am:
16.07.2010 11:18:20
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Einzelwertkarte

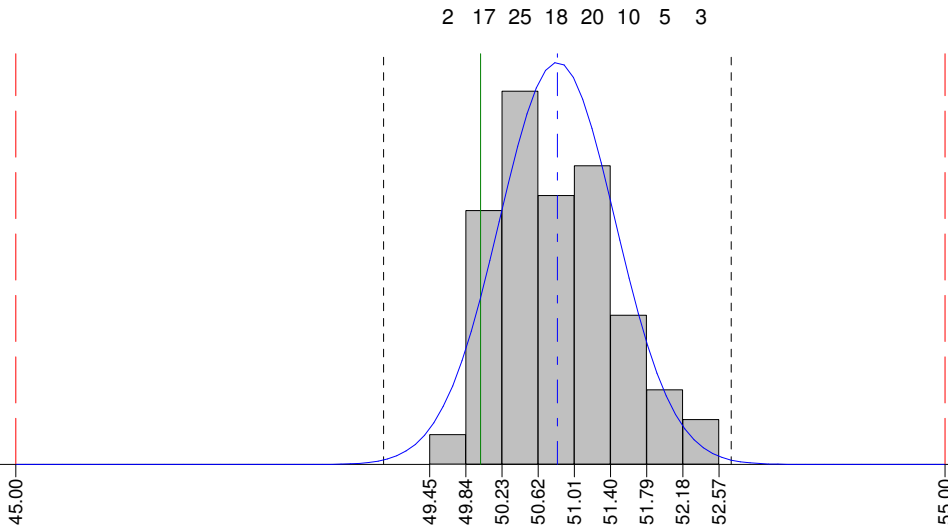


statistische Kenndaten

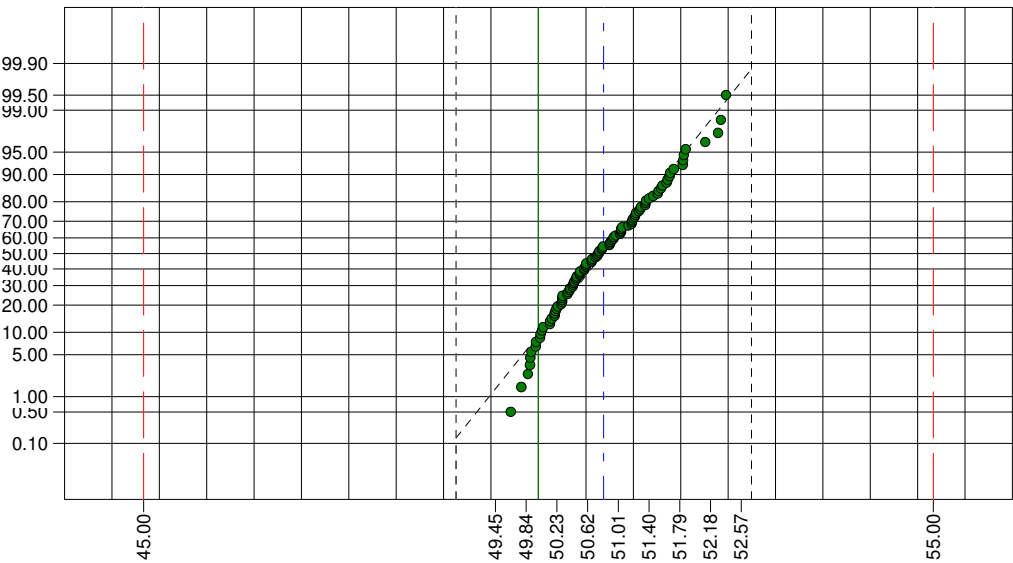
Cm: 2.67
Cmk: 2.23
Tol. unten: 45.00
Tol. oben: 55.00
Sollwert: 50.00
Maximum: 52.37
Minimum: 49.65
x-Quer: 50.83
s: 0.62
x + 3s: 52.70
x - 3s: 48.96
Anzahl Messwerte: 100
Winkel: 360
Verschraubungsklasse: 31 Klasse 3 Labor
rechtsdrehend
mittlere Geschwindigkeit: 176



Häufigkeitsbild



Wahrscheinlichkeitsnetz



Prototyp2 - Prototyp2 - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

MFU vom 01.07.2010 auf 3860 (3860SK.031 - 3860SK.031) Zelle/Kanal 3

Einheit: Nm
Normalverteilung

Anzahl Messwerte: 100
Toleranz

Mittelwert (x-quer): 50.83
Standardabweichung: 0.62
Sollwert

Cm: 2.67
Cmk: 2.23
Mittelwert (x-quer):

6s (x ± 3 s) i.O.



Prototyp2 - Prototyp2 - 10.00-60.00 Nm - Angle Exact 60-170 - Bosch - Schrauber (allg.)

BMW AG
TP-521

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Artmann
08731-76-31002Gedruckt am:
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Einzelwerte

1. 50.23 Nm (316.00°)	21. 50.53 Nm (308.00°)	41. 50.37 Nm (299.00°)	61. 51.19 Nm (282.00°)	81. 51.84 Nm (253.00°)
2. 50.40 Nm (315.00°)	22. 50.20 Nm (307.00°)	42. 51.05 Nm (294.00°)	62. 51.18 Nm (285.00°)	82. 51.64 Nm (258.00°)
3. 49.89 Nm (313.00°)	23. 50.17 Nm (302.00°)	43. 51.05 Nm (302.00°)	63. 50.48 Nm (283.00°)	83. 51.23 Nm (252.00°)
4. 49.97 Nm (311.00°)	24. 50.74 Nm (306.00°)	44. 51.20 Nm (300.00°)	64. 51.52 Nm (279.00°)	84. 51.62 Nm (247.00°)
5. 50.31 Nm (305.00°)	25. 50.67 Nm (310.00°)	45. 50.95 Nm (296.00°)	65. 50.90 Nm (279.00°)	85. 51.83 Nm (252.00°)
6. 50.75 Nm (310.00°)	26. 50.52 Nm (305.00°)	46. 51.03 Nm (297.00°)	66. 50.95 Nm (272.00°)	86. 51.86 Nm (244.00°)
7. 50.45 Nm (309.00°)	27. 50.60 Nm (300.00°)	47. 50.30 Nm (293.00°)	67. 50.68 Nm (273.00°)	87. 51.67 Nm (241.00°)
8. 49.91 Nm (309.00°)	28. 50.61 Nm (305.00°)	48. 51.05 Nm (299.00°)	68. 51.36 Nm (280.00°)	88. 51.71 Nm (242.00°)
9. 50.02 Nm (303.00°)	29. 50.29 Nm (305.00°)	49. 51.29 Nm (291.00°)	69. 51.30 Nm (273.00°)	89. 52.37 Nm (236.00°)
10. 50.44 Nm (308.00°)	30. 49.65 Nm (299.00°)	50. 50.68 Nm (291.00°)	70. 50.91 Nm (274.00°)	90. 51.83 Nm (234.00°)
11. 50.06 Nm (307.00°)	31. 50.91 Nm (300.00°)	51. 50.93 Nm (296.00°)	71. 51.57 Nm (272.00°)	91. 52.31 Nm (231.00°)
12. 49.87 Nm (304.00°)	32. 50.58 Nm (306.00°)	52. 50.46 Nm (289.00°)	72. 51.35 Nm (276.00°)	92. 50.15 Nm (333.00°)
13. 50.38 Nm (312.00°)	33. 50.80 Nm (308.00°)	53. 50.98 Nm (295.00°)	73. 52.11 Nm (268.00°)	93. 49.78 Nm (334.00°)
14. 49.97 Nm (307.00°)	34. 50.48 Nm (304.00°)	54. 51.24 Nm (295.00°)	74. 51.66 Nm (269.00°)	94. 50.03 Nm (337.00°)
15. 50.15 Nm (310.00°)	35. 50.30 Nm (302.00°)	55. 51.22 Nm (292.00°)	75. 50.81 Nm (268.00°)	95. 50.40 Nm (340.00°)
16. 50.21 Nm (298.00°)	36. 51.06 Nm (305.00°)	56. 51.45 Nm (293.00°)	76. 52.27 Nm (270.00°)	96. 50.22 Nm (337.00°)
17. 50.60 Nm (306.00°)	37. 50.77 Nm (303.00°)	57. 50.72 Nm (289.00°)	77. 51.14 Nm (264.00°)	97. 50.30 Nm (337.00°)
18. 50.77 Nm (314.00°)	38. 50.25 Nm (290.00°)	58. 50.82 Nm (285.00°)	78. 51.55 Nm (265.00°)	98. 50.43 Nm (341.00°)
19. 50.49 Nm (306.00°)	39. 50.52 Nm (302.00°)	59. 51.51 Nm (289.00°)	79. 51.40 Nm (255.00°)	99. 50.04 Nm (334.00°)
20. 50.58 Nm (307.00°)	40. 51.27 Nm (301.00°)	60. 51.36 Nm (293.00°)	80. 51.18 Nm (260.00°)	100. 49.90 Nm (332.00°)

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MFU vom 01.07.2010 auf 3860 (3860SK.031 - 3860SK.031) Zelle/Kanal 3

Einheit: Nm
NormalverteilungAnzahl Messwerte: 100
ToleranzMittelwert (x-quer): 50.83
Standardabweichung: 0.62
Sollwert

Cm: 2.67

Cmk: 2.23

i.O.

6s (x ± 3 s)

Kurvengrafik

Drehm.

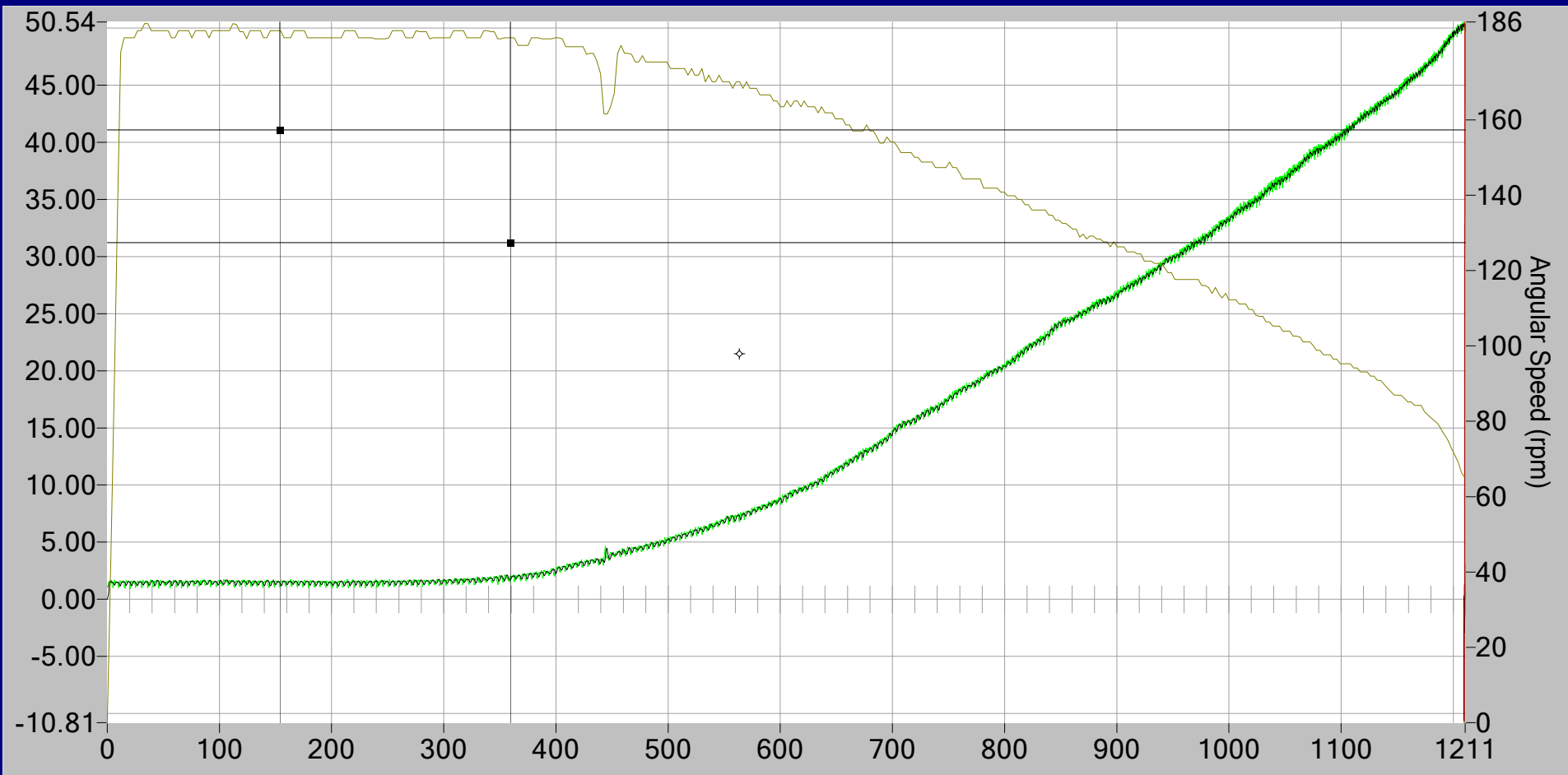
50.43

Winkel

341

Freq.

4000



Grenzfreq. 300 Hz

°: 563.616, Nm: 21.49

Drehm.-Zeit



Drehm.-Winkel

View Speed

☒ On/Off

Zoom

Drehm.



Geschwind.

Zoom

Restore

Laden

Speichern

Filter

Drucken

Ende

Kurvengrafik

Drehm.

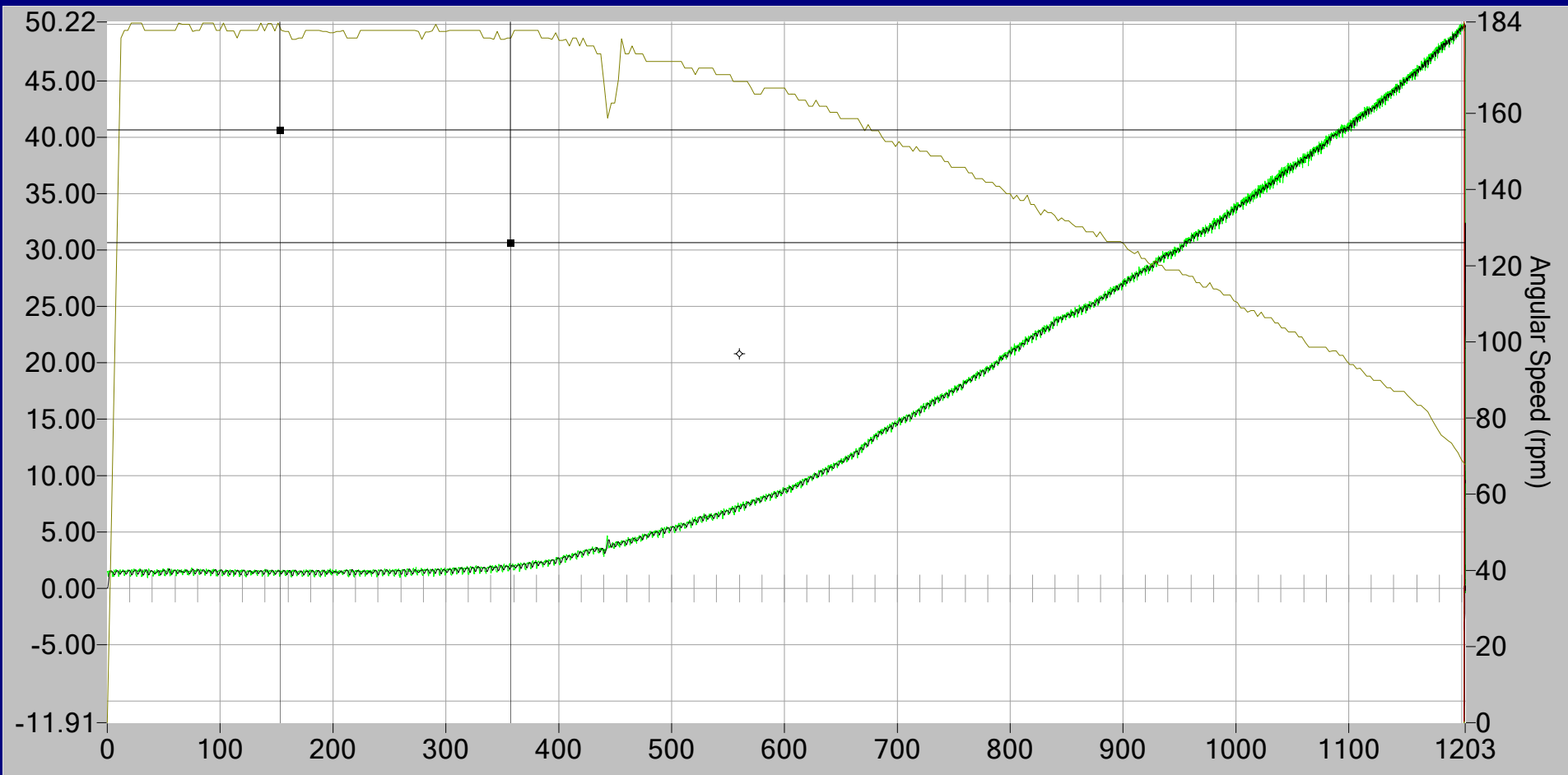
50.04

Winkel

334

Freq.

4000



Grenzfreq. 300 Hz

°: 560.125, Nm: 20.80

Drehm.-Zeit



Drehm.-Winkel

View Speed

☒ On/Off

Zoom

Drehm.



Geschwind.

Zoom

Restore

Laden

Speichern

Filter

Drucken

Ende