

## Friction disc overview for 09G (TF60SN) – 09K (TF61SN) – 09M (TF62SN)

Wir vermuten, dass es Unterschiede bei den Reiblamellen je nach Fahrzeugtyp und Einsatzgebiet gibt. Es soll auch so sein, dass der Fahrzeug-/Getriebehersteller in sonst baugleichen Fahrzeugen/Getrieben unterschiedliche Lamellen und Anzahl von Lamellen eingebaut hat. Bitte stellen Sie sicher, dass Sie den Reiblamellensatz mit korrektem Inhalt oder Einzellamellen bestellen. **Information in grüner Farbe konnten wir selbst feststellen.**

Die meisten Daten und Verwendungen stammen aus dem ALTO USA Katalog 2015.

We suppose that there might be differences depending on the vehicle and the area of use. It is said also, that the Vehicle-/Transmission-manufacturer used different clutch packages in otherwise identical vehicles/transmissions. Please make sure to check carefully which friction disc kit or which single discs you need for your getting your job done. **Information in green colour have been confirmed by ourselves.**

Most data and applications as per ALTO USA catalogue 2015

<p style="text-align: center;"><b>B1</b></p> 	<p>Our part no. <b>B-FRD-TF60-B1-1,67</b> Alto ref. 129700-170</p> <p>4-6 pcs. B1 (2nd&amp;6th)</p> <p>09G – TF60SN 09K – TF61SN 09M – TF62SN ?</p> <p>thickness <b>.066" / 1.67 mm</b> - 40 inner teeth - outer diameter 7.245" / 184 mm - high energy - sunburst grooved</p>
<p style="text-align: center;"><b>B1</b></p> <p style="text-align: center;"><b>NICHT LIEFERBAR !!! NOT AVAILABLE !!!</b></p>	<p>Our part no. <b>B-FRD-TF62-B1-1,50</b> Alto ref. – <b>does not exist</b></p> <p>5 pcs. B1 (2nd&amp;6th)</p> <p>09M – TF62SN</p> <p>thickness <b>.059" / 1,50 mm</b> - 40 inner teeth - outer diameter 7.245" / 184 mm</p>
<p style="text-align: center;"><b>B2</b></p> 	<p>Our part no. <b>B-FRD-TF60-B2-1,50</b> Alto ref. 129702-150</p> <p>6 pcs. B2-reverse <b>"THIN"</b></p> <p>09G – TF60SN 09M – TF62SN</p> <p>thickness <b>.059" / 1,50 mm</b> - 56 inner teeth - outer diameter <b>5.790" / 147 mm</b> - high energy - sunburst grooved – 24 holes</p>





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<p style="text-align: center;"><b>B2</b></p> 	<p>Our part no. <b>B-FRD-TF60-B2-1,70</b> Alto ref. 129702-173</p> <p>4-6 pcs. B2-reverse</p> <p>09G – TF60SN 09M – TF62SN</p> <p>thickness <b>.067" / 1,70 mm</b> - 56 inner teeth - outer diameter <b>6.716" / 170,6 mm</b> - high energy - sunburst grooved – 24 holes</p>
<p style="text-align: center;"><b>C1</b></p> 	<p>Our part no. <b>B-FRD-TF60-C1-1,50</b> Alto ref. 129704-150</p> <p>6 pcs. C1 - 1st, 2nd, 3rd, 4<sup>th</sup></p> <p>09G – TF60SN 09M – TF62SN</p> <p>thickness <b>.059" / 1.50 mm</b> - 56 inner teeth - outer diameter <b>5.790" / 147 mm</b> - high energy - sunburst grooved</p>
<p style="text-align: center;"><b>C1</b></p> 	<p>Our part no. <b>B-FRD-TF60-C1-1,67</b> Alto ref. 129704-168</p> <p>5 pcs. C1 - 1st, 2nd, 3rd, 4<sup>th</sup></p> <p>09G – TF60SN 09K – TF61SN</p> <p>thickness <b>.066" / 1.67 mm</b> - 56 inner teeth - outer diameter <b>5.790" / 147 mm</b> - high energy - sunburst grooved</p>
<p style="text-align: center;"><b>C2</b></p> 	<p>Our part no. <b>B-FRD-TF60-C2-1,50</b> Alto ref. 129706-150</p> <p>4-? pcs. C2 - 4th, 5th, 6<sup>th</sup> <b>"THIN"</b></p> <p>09G – TF60SN</p> <p>thickness <b>.059" / 1.50 mm</b> - 55 inner teeth - outer diameter <b>5.725" / 145,4 mm</b> - high energy - sunburst grooved</p>

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<p style="text-align: center;"><b>C2</b></p> 	<p>Our part no. <b>B-FRD-TF60-C2-1,70</b>                  Alto ref. 129706-170</p> <p>3-? pcs. C2 - 4th, 5th, 6th</p> <p>09G – TF60SN</p> <p>thickness <b>.067" / 1.70 mm</b> - 55 inner teeth - outer diameter <b>5.725" / 145,4 mm</b> - high energy - sunburst grooved</p>
<p style="text-align: center;"><b>C2</b></p> 	<p>Our part no. <b>B-FRD-TF61-C2-1,52</b>                  Alto ref. 129706A152</p> <p>4-6 pcs. C2 - 4th, 5th, 6th</p> <p>09K – TF61SN                  09M - TF62SN</p> <p>thickness <b>.060" / 1.52 mm</b> - 60 inner teeth - outer diameter <b>5.732" / 145,6 mm</b> - high energy - sunburst grooved</p>
<p style="text-align: center;"><b>C2</b></p> 	<p>Our part no. <b>B-FRD-TF61-C2-1,70</b>                  Alto ref. 129706A170</p> <p>? pcs. C2 - 4th, 5th, 6th</p> <p>09G – TF60SN                  09K – TF61SN</p> <p>thickness <b>.067" / 1.70 mm</b> - 60 inner teeth - outer diameter <b>5.732" / 145,6 mm</b> - high energy - sunburst grooved</p>
<p style="text-align: center;"><b>C3</b></p> 	<p>Our part no. <b>B-FRD-TF60-C3-1,50</b>                  Alto ref. 129708-150</p> <p>4-5 pcs. C3 - reverse, 3rd, 5th</p> <p>09M – TF62SN</p> <p>thickness <b>.059" / 1,50 mm</b> - 56 inner teeth - outer diameter <b>6.180" / 157 mm</b> - high energy - sunburst grooved</p>

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C3		<p>Our part no. <b>B-FRD-TF60-C3-1,67</b>                  Alto ref. 129708-173</p> <p>3 pcs. C3 - reverse, 3rd, 5th</p> <p>09G – TF60SN                  09K – TF61SN</p> <p>thickness <b>.066" / 1.67 mm</b> - 56 inner teeth - outer diameter 6.180" / 157 mm - high energy - sunburst grooved</p>
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Zu diesem Zeitpunkt haben wir keine genauen Angaben über **alle** verwendeten Lamellen.

Nach unseren eigenen Erkenntnissen anhand demontierter Getriebe konnten wir die unten genannten Lamellen identifizieren. Das bedeutet aber nicht, dass wir alle Möglichkeiten zu sehen bekommen haben. Ein 09K-Getriebe konnten wir bisher nicht demontieren.

We do not have reliable info about **all** the discs used.

As per our own findings from dismantling transmissions, we could identify the discs mentioned below. This does not mean that we have seen all possibilities. So far, we have not been able to dismantle a 09K transmission.

Location	Part -number	09G – TF60SN	09K-TF60SN	09M-TF62SN
B1	B-FRD-TF60-B1-1,67	3-4	?	?
B1	<b>B-FRD-TF62-B1-1,50</b>	?	?	5
B2	B-FRD-TF60-B2-1,50	5	?	6
B2	B-FRD-TF60-B2-1,70	?	?	?
C1	B-FRD-TF60-C1-1,50	4-5	?	6
C1	B-FRD-TF60-C1-1,67	?	?	?
C2	B-FRD-TF60-C2-1,50	?	?	?
C2	B-FRD-TF61-C2-1,52	?	?	5
C2	B-FRD-TF60-C2-1,70	3	?	?
C2	B-FRD-TF61-C2-1,70	4	?	?
C3	B-FRD-TF60-C3-1,67	3	?	?
C3	B-FRD-TF60-C3-1,50	?	?	4

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