

Addendum

Addendum: Suchy, L.; et al. Influence of Hub Parameters on Joining Forces and Torque Transmission Output of Plastically Joined Shaft–Hub–Connections with a Knurled Contact Surface. *Machines* 2018, 6, 16

Lukas Suchy ^{1,*}, Erhard Leidich ¹, Thoralf Gerstmann ² and Birgit Awiszus ²

¹ Professorship Engineering Design, Institute of Design Engineering and Drive Technology, Technische Universität Chemnitz, 09126 Chemnitz, Germany; konstruktionslehre@mb.tu-chemnitz.de

² Professorship Virtual Production Engineering, Institute for Machine Tools and Production Processes, Technische Universität Chemnitz, 09126 Chemnitz, Germany; thoralf.gerstmann@mb.tu-chemnitz.de (T.G.); birgit.awiszus@mb.tu-chemnitz.de (B.A.)

* Correspondence: lukas.suchy@tu-chemnitz.de; Tel.: +49-371-531-32446

The authors, while validating calculations, found discrepancies with Equations (9) and (10) in their paper [1]. Only with this correction can the presented results be achieved. The new Equations (9) and (10) are as follows:

$$A_1 = \frac{h_{knurl} \cdot t}{2} - (h_{knurl} - h_{groove}(Q_H))^2 \cdot \tan(\alpha/2) \quad (9)$$

$$h_{groove}(Q_H) = \begin{cases} \frac{I_{geo}}{2} ; Q_H < 0.65 ; \forall \varphi \\ \frac{I_{geo}}{2} - \left(\frac{4}{5} Q_H - \frac{1}{2} \right) mm ; 0.85 > Q_H \geq 0.65 ; \varphi < 15^\circ \\ 3.6 \cdot 10^{-5} \varphi^2 + 5.3 \cdot 10^{-3} \varphi + 0.1444 ; 0.85 > Q_H \geq 0.65 ; \varphi \geq 15^\circ \end{cases} \quad (10)$$



Citation: Suchy, L.; Leidich, E.; Gerstmann, T.; Awiszus, B. Addendum: Suchy, L.; et al. Influence of Hub Parameters on Joining Forces and Torque Transmission Output of Plastically Joined Shaft–Hub–Connections with a Knurled Contact Surface. *Machines* 2018, 6, 16. *Machines* 2021, 9, 69. <https://doi.org/10.3390/machines9040069>

Received: 8 March 2021

Accepted: 9 March 2021

Published: 24 March 2021

Abbreviation

h_{knurl} shaft knurl height

Reference

- Suchy, L.; Leidich, E.; Gerstmann, T.; Awiszus, B. Influence of Hub Parameters on Joining Forces and Torque Transmission Output of Plastically-Joined Shaft–Hub–Connections with a Knurled Contact Surface. *Machines* 2018, 6, 16. [\[CrossRef\]](#)

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



Copyright: © 2021 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).