

# 1214/5.12.160.230

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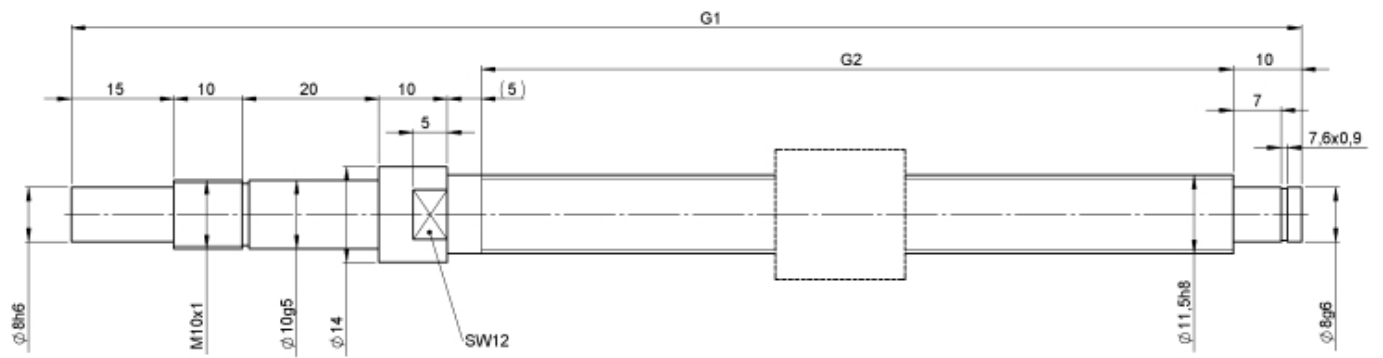
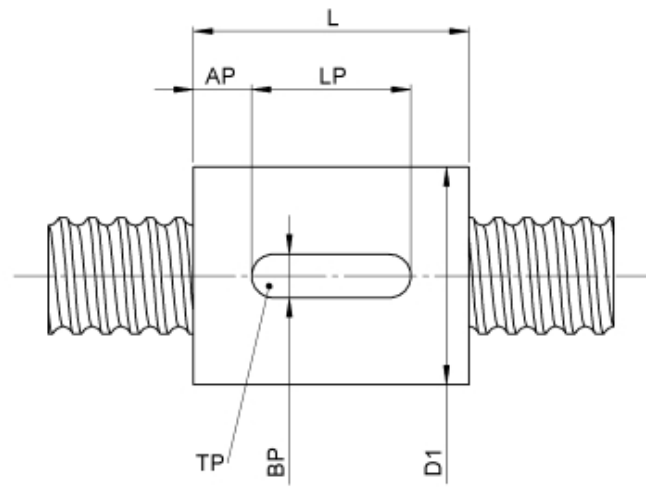
## DESCRIPTION

- Nut Series 1214 with [internal ball return](#)
- Cylindrical nut with 4-point-contact, without wipers
- Nut shape design for assembling in a housing
- Single start ball thread, ground execution according to accuracy class P1 - P5
- Miniature ball screws also available with axial play



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## TECHNICAL DATA AND DIMENSIONS



|                      |       |    |        |                                     |  |       |               |
|----------------------|-------|----|--------|-------------------------------------|--|-------|---------------|
| Series               |       |    | 1214   | Friction torque TO                  |  | [Ncm] | 3,0           |
| Nominal diameter     | [mm]  | dN | 12     | Accuracy                            |  |       | P             |
| Lead                 | [mm]  | P  | 5      | Preload/backlash free/with backlash |  |       | backlash free |
| Shaft style          |       |    | B      | Nut length                          |  | [mm]  | L 26          |
| Nominal stroke       | [mm]  |    | 100    | Dynamic load capacity               |  | [kN]  | Ca 3,60       |
| Overall length       | [mm]  | G1 | 230    | Static load capacity                |  | [kN]  | C0a 4,30      |
| Thread length        | [mm]  | G2 | 160    | Position keyway                     |  | [mm]  | AP 5          |
| Ball circles         |       | i  | 1x3    | Width keyway                        |  | [mm]  | BP 5          |
| Ball diameter        | [mm]  | dW | 2      | Length keyway                       |  | [mm]  | LP 16         |
| DN-value             |       |    | 120000 | Depth keyway                        |  | [mm]  | TP 1,9        |
| No. of starts        |       |    | 1      | Pilot diameter                      |  | [mm]  | D1 19         |
| Friction torque FROM | [Ncm] |    | 3,0    | Pilot diameter tolerance            |  | [mm]  | h6            |

August Steinmeyer GmbH & Co. KG | Riedstraße 7 | 72458 Albstadt | Phone +49 (0) 7431 1288-0 | Fax +49 (0) 7431 1288-89 | [info@steinmeyer.com](mailto:info@steinmeyer.com)

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