

# 1412/0,5.5.65.105

---

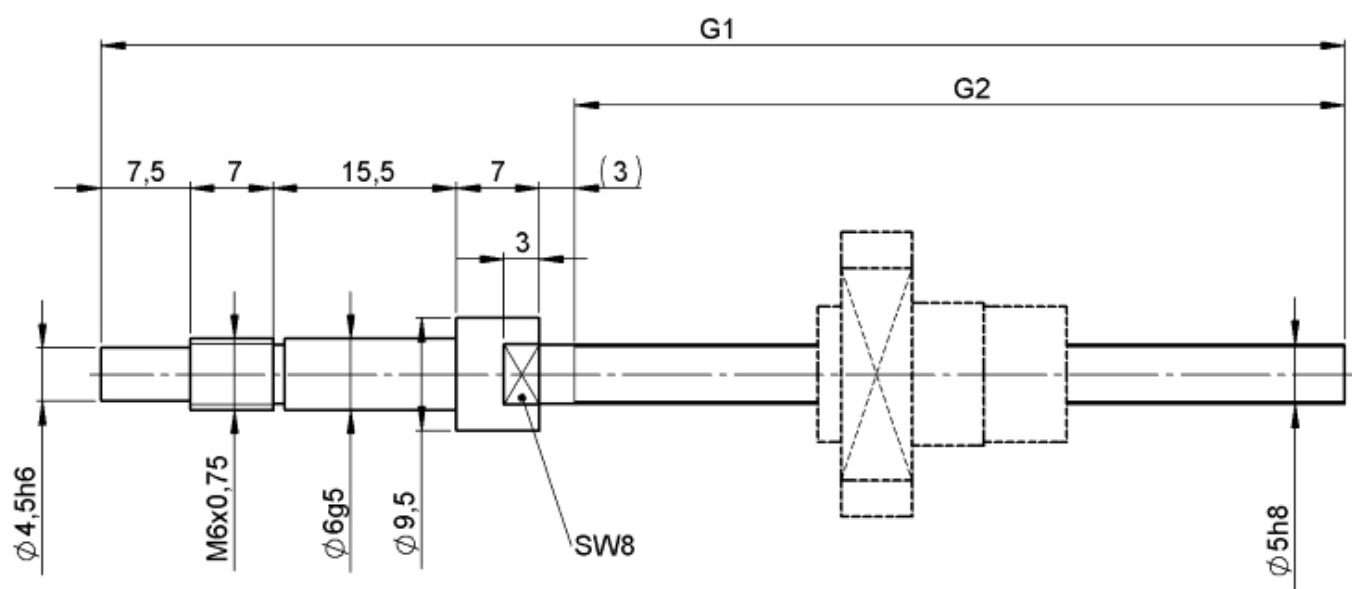
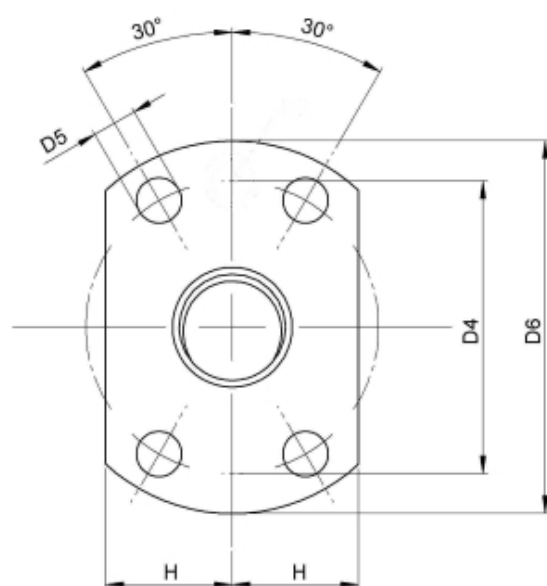
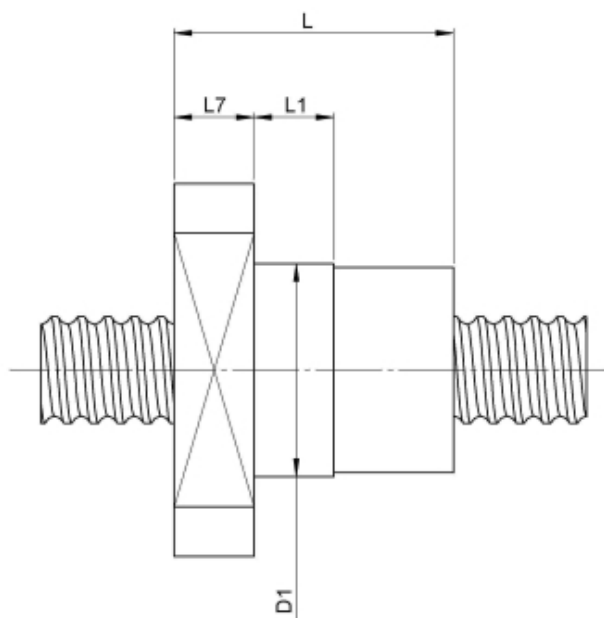
## DESCRIPTION

- Nut Series 1412 with [internal ball return](#), Flange single nut with 4-point-contact with standard synthetic wipers on both ends
- Nut shape design for assembly by flange
- Single start ball thread, ground execution according to accuracy class P1 - P5
- Miniature ball screws also available with axial play



---

## TECHNICAL DATA AND DIMENSIONS



Series			1412	Accuracy			P
Nominal diameter	[mm]	dN	5	Preload/backlash free/with backlash			backlash free
Lead	[mm]	P	0,5	Nut length	[mm]	L	22
Shaft style			B	Flange thickness	[mm]	L7	6
Nominal stroke	[mm]		40	Dynamic load capacity	[kN]	Ca	0,17
Overall length	[mm]	G1	105	Static load capacity	[kN]	C0a	0,24
Thread length	[mm]	G2	65	Pilot diameter	[mm]	D1	12
Ball circles		i	1x3	Pilot diameter tolerance	[mm]		g6
Ball diameter	[mm]	dW	0,6	Bolt circle diameter	[mm]	D4	18
DN-value			120000	Flange hole diameter		D5	3,4
No. of starts			1	Flange diameter	[mm]	D6	24
Friction torque FROM	[Ncm]		1,5	Flange flat dimension	[mm]	H	8
Friction torque TO	[Ncm]		1,5				

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)

Drive Technology, Ball Screws, Precision Ball Screws, Miniature Ball Screws, Ultra Thrust Ball Screws, Rotating Nuts, Cooled Ball Screws, Precision Lead Screws, Differential Rolled Screws, Rolled Ball Screws