

# 1416/20.80.11.3

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## DESCRIPTION

- Nut Series 1416 with [internal ball return](#), Flange single nut with 4-point-contact with standard synthetic wipers on both ends
- Nut shape according to DIN for assembly by flange
- Single start ball thread, ground execution according to accuracy class P1 - P5



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## TECHNICAL DATA AND DIMENSIONS



Series			1416	Nut length	[mm]	L	143
Nominal diameter	[mm]	dN	80	Wiper extension	[mm]	L3	7
Lead	[mm]	P	20	Flange thickness	[mm]	L7	25
Ball circles		i	1x3	Dynamic load capacity	[kN]	Ca	134,20
Ball diameter	[mm]	dW	11	Static load capacity	[kN]	C0a	283,50
DN-value			120000	No. of starts			1
Additional wiper extensions for combination wipers	[mm]	LA	10	Stiffness	[N/μm]	Rnu,ar	900
Pilot Length	[mm]	L1	25	Pilot diameter	[mm]	D1	125
Pilot diameter tolerance	[mm]		g6	Bolt circle diameter	[mm]	D4	145
Flange hole diameter		D5	13,5	Max. preload	[kN]		10,736
Flange diameter	[mm]	D6	165				

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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