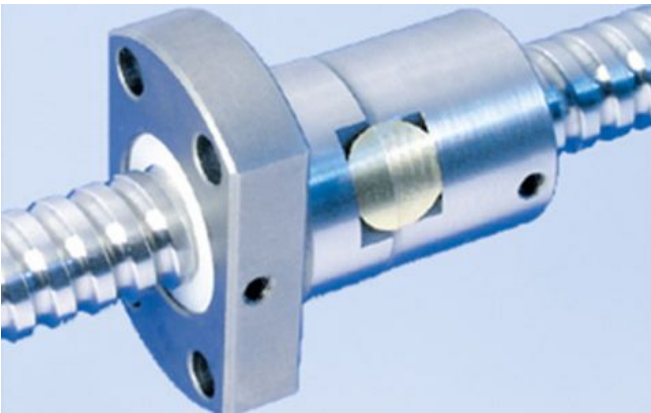


1412/4.12.110.180

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			No. of starts	1		
Nominal diameter	[mm]	dN	12	Friction torque FROM	[Ncm]	1,0	
Lead	[mm]	P	4	Friction torque TO	[Ncm]	1,0	
Shaft style	B			Accuracy	P		
Nominal stroke	[mm]	50		Preload/backlash free/with backlash	with backlash		
Overall length	[mm]	G1	180	Nut length	[mm]	L	36
Thread length	[mm]	G2	110	Dynamic load capacity	[kN]	Ca	3,60
Ball circles	i		1x3	Static load capacity	[kN]	C0a	4,30
Ball diameter	[mm]	dW	2	Pilot diameter	[mm]	D1	22
DN-value	120000						

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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