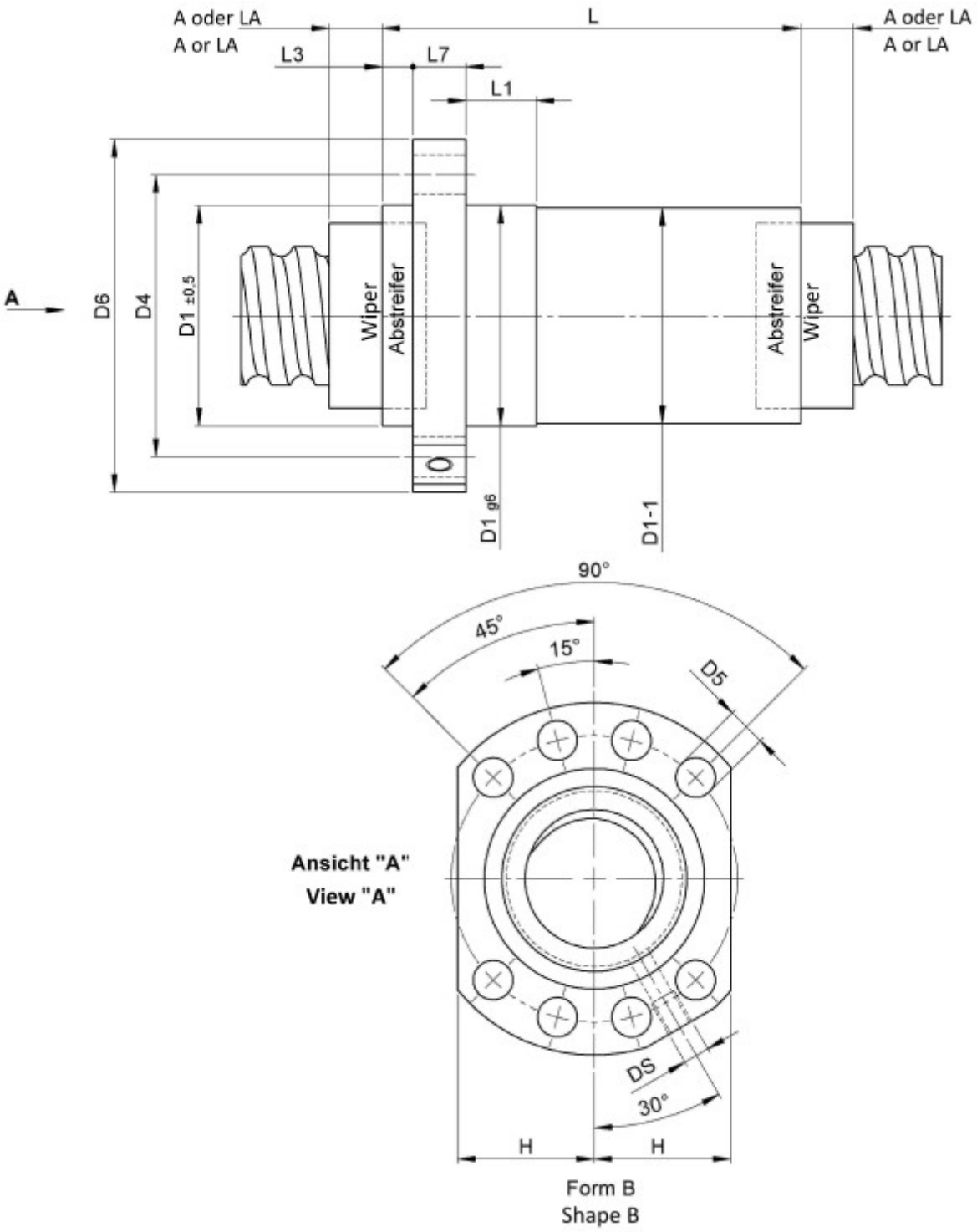
1416/10.80.7,5.4

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



TECHNICAL DATA AND DIMENSIONS


A oder LA
A or LA
L
A oder LA
A or LA
L3
L7
L1
A
D6
D4
D1 ±0,5
Wiper
Abstreifer
Abstreifer
Wiper
D1 g6
D1-1
90°
45°
15°
D5
Ansicht "A"
View "A"
DS
30°
H
H
Form B
Shape B

Series			1416	Flange thickness	[mm]	L7	20
Nominal diameter	[mm]	dN	80	Dynamic load capacity	[kN]	Ca	87,30
Lead	[mm]	P	10	Static load capacity	[kN]	C0a	219,10
Ball circles		i	1x4	Ball diameter	[mm]	dW	7,5
Additional wiper extensions for combination wipers	[mm]	LA	12	DN-value			120000
Pilot Length	[mm]	L1	16	No. of starts			1
Pilot diameter	[mm]	D1	105	Stiffness	[N/µm]	Rnu,ar	1040
Pilot diameter tolerance	[mm]		g6	Friction torque FROM	[Ncm]		156,4
Bolt circle diameter	[mm]	D4	125	Friction torque TO	[Ncm]		290,5
Flange hole diameter		D5	13,5	Max. preload	[kN]		6,984
Lube hole	[mm]	DS	M8x1	Accuracy			P
Flange diameter	[mm]	D6	145	Nut length	[mm]	L	104
Flange flat dimension	[mm]	H	55	Wiper extension	[mm]	L3	7

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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