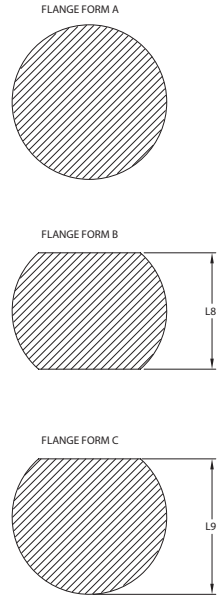
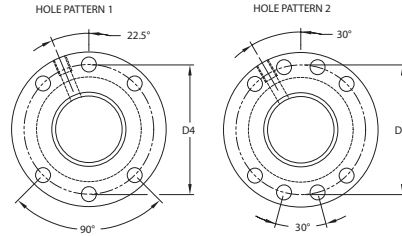
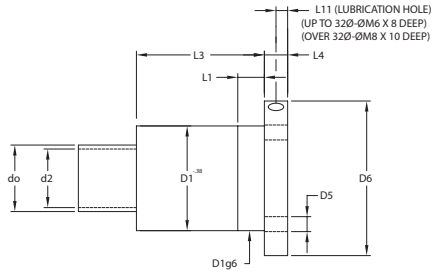


# INTERNAL NUT / ENGLISH

PRECISION GROUND BALLSCREWS  
FLANGED-SINGLE NUT  
NUT DESIGN TO DIN 69051 PART 5  
(WIPERS BOTH ENDS)



\*(2) PC. BALLNUT W/SHIM REQUIRED.

Dia (D0)	Lead	Ball Dia.	Turns	D2	L3	D6	D5	D4	L1	D1	L4	L8	L9	L11	Hole Pattern	ANSI STATIC LD KN	ANSI DYNAMIC 25400 M. KN	ISO/DIS STATIC LD KN	ISO/DIS DYNAMIC LD 1 MILLION REV KN					
.0625	0.200	0.125	4	0.535	1.850	2.312	0.203	1.734		1.135	0.44	1.200	1.730			40.1	5.4	40.1	13.7					
			6		2.250											60.2	7.6	60.2	19.4					
			8		2.725											80.2	9.8	80.2	24.8					
.0750	0.200	0.125	4	0.66	1.850	2.593	0.281	1.934	0.375	1.260		1.330	2.160			48.8	6.1	48.8	15.6					
			6		2.250											73.1	8.7	73.1	22.1					
			8		2.725											97.5	11.1	97.5	28.3					
			4		2.125											59.9	8.4	59.9	21.4					
			6		2.650											89.9	11.9	89.9	30.3					
			8		3.250											119.8	15.3	119.8	38.8					
	0.250	0.156	0.156	10	0.638					3.825					1.327	0.44					149.8	18.5	149.8	47.0
				4						2.935											59.9	9.8	59.9	24.8
				6						3.562											89.9	13.9	89.9	35.2
				8						4.700											119.8	17.8	119.8	45.1
				10						5.600											149.8	21.5	149.8	54.6
				12						6.400											176.8	25.2	176.8	64.0
.0750	0.250	0.125	4	0.785	1.850	2.906	0.281	2.250	0.375	1.385		1.452	2.260	0.1875			57.4	6.8	59.9	17.4				
			6		2.250												86.1	9.7	89.9	24.6				
			8		2.725												114.8	12.4	119.8	31.5				
			10		3.200												143.5	15.0	149.8	38.2				
			4		2.125												70.7	9.4	57.4	23.8				
			6		2.650												106.1	13.3	86.1	33.8				
	0.250	0.156	0.156	8	0.763					3.250					1.452						141.4	17.0	114.8	43.3
				10						3.825											176.8	20.6	143.5	52.4
				12						4.400											203.7	22.7	198.1	57.6
				4						2.560											96.4	13.6	122.2	34.5
				6						3.220											144.5	19.2	163.0	48.8
				8						3.950											192.7	24.6	203.7	62.5
1.000	0.200	0.125	12	0.910	3.200	2.906	0.281	2.250	0.375	1.510		1.577	2.160				244.5	26.5	81.5	67.4				
			4		2.150												103.0	12.1	125.0	30.6				
			6		2.650												154.6	17.1	166.6	43.4				
			8		3.235												206.1	21.9	208.3	55.6				
			10		3.820												257.6	26.5	249.9	67.4				
			12		4.400												309.1	31.0	303.0	78.8				
	0.250	0.187	0.187	4	0.864					2.560					1.644	1.644	2.260				81.5	13.0	144.5	33.0
				6						3.220											163.0	23.6	192.7	59.9
				8						3.950											203.7	29.8	244.5	75.8
				10						4.680											249.9	34.9	289.1	88.6
				12						5.425											289.1	39.9	339.9	101.4
				4						3.550											163.0	23.6	192.7	59.9
1.250	0.200	0.125	8	1.160	2.725	3.343		2.531	0.344	1.760		2.130	2.875	0.250			83.3	8.8	240.9	22.3				
			10		3.200												125.0	12.4	289.1	31.5				
			12		3.660												166.6	15.9	81.5	40.4				
			4		2.150												208.3	19.3	163.0	49.0				
			6		2.650												249.9	22.5	83.3	57.3				
			8		3.240												303.0	27.1	125.0	30.6				
	0.250	0.156	0.156	10	1.138					3.820					1.827						154.6	17.1	166.6	43.4
				12						4.405											206.1	21.9	208.3	55.6
				4						2.150											257.6	26.5	249.9	67.4
				6						2.655											309.1	31.0	303.0	78.8
				8						3.240											360.6	36.0	360.6	91.5
				10						3.820											412.1	41.1	412.1	104.2
0.250	0.187	0.187	12	1.114	4.405					1.894						122.2	14.7	154.6	37.4					
			4		3.670											183.3	20.9	206.1	53.0					
			6		4.720											244.4	26.7	257.6	67.8					
			8		5.900											305.5	32.4	309.1	82.2					
			10		7.050											366.6	37.8	366.6	96.1					
			12		8.200											427.7	43.1	427.7	109.0					
0.500	0.250	0.250	4	1.068	3.670					2.130						160.2	25.4	183.3	64.6					
			6		4.720											240.3	36.0	244.4	91.5					
			8		5.900											320.4	46.1	305.5	117.2					
			10		7.050											400.5	55.9	366.6	142.0					
			12		8.200											481.6	65.1	427.7	171.9					
			14		9.350											562.7	74.3	488.8	201.8					

All measurements are subject to final engineering approvals.

# INTERNAL NUT / ENGLISH (CONT.)

Dia (D0)	Lead	Ball Dia.	Turns	D2	L3	D6	D5	D4	L1	D1	L4	L8	L9	L11	Hole Pattern	ANSI STATIC LD KN	ANSI DYNAMIC 25400 M. KN	ISO/DIS STATIC LD KN	ISO/DIS DYNAMIC LD 1 MILLION REV KN												
1.500	0.200	0.125	4	1.41	1.850	3.179	2.875			2.010	0.62	2.452	2.875			100.6	9.9	100.6	25.2												
			6		2.260											150.9	14.1	150.9	35.8												
			8		2.725											201.2	18.0	201.2	45.8												
			10		3.200											251.5	21.9	251.5	55.5												
			12		3.660											301.8	25.6	301.8	64.9												
			4		2.150											124.6	13.7	124.6	34.8												
	0.250	0.156	1.388	6	1.388					2.655						3.179	2.875			2.077	0.62	2.452	2.875			186.9	19.4	186.9	49.3		
				8						3.240																249.2	24.9	249.2	63.1		
				10						3.825																311.5	30.1	311.5	76.5		
				12						4.405																378.8	35.2	378.8	89.5		
				4						3.095																194.7	26.7	194.7	67.9		
				6						3.915																292.1	37.9	292.1	96.3		
	0.3937	0.250	1.318	8	1.318					4.835						3.179	2.875			2.380	0.62	2.452	2.875			389.5	48.3	389.5	123.3		
				10						5.752																486.9	58.8	486.9	149.3		
				12						6.671																584.2	68.8	584.2	174.7		
				4						3.745																217.2	32.9	217.2	83.5		
				6						4.790																325.8	46.6	325.8	118.4		
				8						5.952																434.5	59.7	434.5	151.6		
	0.500	0.281	1.296	10	1.296					7.120						3.179	2.875			2.452	0.62	2.452	2.875			543.1	72.3	543.1	183.7		
				12						8.290																651.7	84.6	651.7	214.9		
				4						5.810																194.7	36.5	194.7	92.6		
				6						2.140																173.9	18.6	173.9	47.3		
				8						2.660																260.9	26.4	260.9	67.0		
				10						3.250																347.8	33.8	347.8	85.8		
1.750	0.250	0.187	12	1.614	4.420	4.094	0.406			2.394	0.406	3.000	3.500			434.8	40.9	434.8	103.9												
			4		3.100											229.3	29.8	229.3	75.7												
			6		3.925											344.0	42.2	344.0	107.3												
			8		4.840											458.6	54.1	458.6	137.4												
			10		5.760											573.3	65.6	573.3	166.5												
			12		6.677											687.9	76.7	687.9	194.8												
	0.3937	0.250	1.568	4	1.568					4.900						4.094	0.406			2.630	0.406	3.000	3.500			502.1	71.2	502.1	180.7		
				6						6.065																669.4	91.1	669.4	231.5		
				8						7.232																836.8	110.4	836.8	280.4		
				10						8.400																1004.1	129.1	1004.1	328.0		
				12						2.140																199.8	20.4	199.8	51.8		
				4						2.660																299.6	28.9	299.6	73.5		
0.500	0.375	1.478	6	1.478	4.900	4.094	0.406			3.000	0.406	3.000	3.500							669.4						91.1	669.4	231.5			
			8		6.065															836.8						110.4	836.8	280.4			
			10		7.232															1004.1						129.1	1004.1	328.0			
			12		8.400															1199.8						142.1	1199.8	376.6			
			4		3.100															229.3						29.8	229.3	75.7			
			6		3.925															344.0						42.2	344.0	107.3			
2.000	0.250	0.187	8	1.864	3.250					4.344						3.500			2.644	3.500	3.350	3.750			399.5	37.0	399.5	94.1			
			10		3.830																				499.4	44.9	499.4	114.0			
			12		4.420																				599.3	52.5	599.3	133.3			
			4		3.100																				263.9	32.7	263.9	83.1			
			6		3.925																				395.8	46.4	395.8	117.8			
			8		4.840																				527.7	59.4	527.7	150.9			
	0.3937	0.250	1.818	10	1.818	5.760	4.938	4.094				2.880	4.094	3.350	3.750											659.7	72.0	659.7	182.8		
				12		6.677																				791.6	84.2	791.6	213.9		
				4		4.900																				579.8	78.3	579.8	198.9		
				6		6.065																				773.1	100.3	773.1	254.8		
				8		7.232																				966.4	121.5	966.4	308.7		
				10		8.400																				1159.6	142.1	1159.6	361.0		
2.250	0.250	0.187	12	2.114	2.661	4.969				3.937							2.894	3.937		3.500	4.250			225.6		22.1	225.6	56.2			
			4		3.110																			338.4		31.4	338.4	79.7			
			6		3.925																			451.2		40.2	451.2	102.0			
			8		4.840																			564.0		48.7	564.0	123.6			
			10		5.760																			676.8		56.9	676.8	144.6			
			12		6.677																			791.6		65.0	791.6	166.0			
	0.3937	0.250	2.068	4	2.068		3.110	4.969	3.937					3.130	3.937		3.500		4.250							298.4	35.5	298.4	90.2		
				6			3.925																			447.6	50.4	447.6	127.9		
				8			4.845																			596.8	64.5	596.8	163.8		
				10			5.763																			746.0	78.1	746.0	198.4		
				12			6.681																			895.3	91.4	895.3	232.1		
				4			3.150																			333.8	40.6	333.8	103.2		
0.400	0.281	2.046	6	2.046	3.975	5.563	4.531							3.202		4.531		3.500		4.250			500.6			57.6	500.6	146.3			
			8		4.910																		667.5			73.8	667.5	187.4			
			10		5.850																		834.4			89.4	834.4	227.0			
			12		6.775																		1001.3			104.6	1001.3	265.6			
			4		4.625																		657.6			83.6	657.6	212.3			
			6		5.730																		876.8			107.0	876.8	271.8			
0.4724	0.375	1.978	8	1.978	6.853			5.563	4.531					3.500	4.531		3.500		4.250						1096.0	129.7	1096.0	329.3			
			10		7.934																				1315.2	151.7	1315.2	385.3			
			12		8.400																				1515.2	185.2	1515.2	463.3			
			4		4.900																				876.8	109.1	876.8	277.0			
			6		6.065																				1096.0	132.1	1096.0	335.6			
			8		7.232																				1315.2	154.6	1315.2	392.6			
2.500	0.250	0.187	12	2.364	2.663	5.219	0.531							3.144		0.531		4.020		4.625	0.375					251.5	23.8	251.5	60.4		
			4		3.140																					377.2	33.7	377.2	85.6		
			6		3.960																					502.9	43.2	502.9	109.7		
			8		4.880																					628.6	52.3	628.6	132.9		
			10		5.800																					754.4	61.2	754.4	155.4		
			12		6.712																					883.0	70.2	883.0	177.1		
	0.3937	0.250	2.318	4	2.318			3.140	5.219		0.531				3.380		0.531		4.020				4.625	0.375				333.0	38.2	333.0	97.1
				6				3.960																				499.5	54.2	499.5	137.6
				8				4.880																				666.0	69.4	666.0	176.2
				10				5.800																				832.4	84.0	832.4	213.5
				12				6.712																				998.9	98.3	998.9	249.7
				4				3.150																				372.6	43.7	372.6	111.1
0.400	0.281	2.296	6	2.296	3.976	5.813	4.187					3.452			4.187	4.020		4.625		0.375					558.9			62.0	558.9	157.4	
			8		4.910																				745.2			79.4	745.2	201.6	
			10		5.850																				931.5			96.2	931.5	244.3	
			12		6.776																				1117.8			112.5	1117.8	285.8	
			4		4.630																				735.3			90.0	735.3	228.7	
			6		5.731																				980.4			115.3	980.4	292.8	
0.4724	0.375	2.228	8	2.228	6.853				5.813		4.187			3.750			4.187		4.020				4.625	0.375			1225.6	139.7	1225.6	354.8	
			10		7.935																						1470.7	163.4	1470.7	415.0	
			12		8.400																						1735.3	191.7	1735.3	473.0	
			4		4.900																						980.4	117.5	980.4	298.4	
			6		6.040																						1225.6	142.4	1225.6	361.6	
			8		7.205																						1470.7	166.5	1470.7	422.9	
0.7874	0.500	2.138	6	2.138	7.380	5.813	4.187							4.020	4.187	4.020		4.625		0.375							962.0	146.0	962.0	370.8	
			8		9.215																						1282.6	187.0	1282.6	474.9	

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## INTERNAL NUT / ENGLISH (CONT.)

Dia (D0)	Lead	Ball Dia.	Turns	D2	L3	D6	D5	D4	L1	D1	L4	L8	L9	L11	Hole Pattern	ANSI STATIC LD KN	ANSI DYNAMIC 25400 M. KN	ISO/DIS STATIC LD KN	ISO/DIS DYNAMIC LD 1 MILLION REV KN							
3.000	0.250	0.187	4	2.864	2.143	6.094	0.656	4.875	0.3937	3.644	1.00	4.520	5.260	0.375	2	303.2	26.9	303.2	68.4							
			6		2.663											454.7	38.2	454.7	97.0							
			8		3.250											606.3	48.9	606.3	124.2							
			10		3.830											757.9	59.2	757.9	150.5							
			12		4.420											909.5	69.3	909.5	176.0							
			4		3.111											402.1	43.3	402.1	110.1							
	6	3.932	603.1	61.4	603.1					156.0																
	8	4.850	804.2	78.7	804.2					199.8																
	10	5.769	1005.2	95.3	1005.2					242.0																
	12	6.687	1206.3	111.5	1206.3					283.1																
	6	4.900	890.8	104.2	890.8					264.8																
	8	6.065	1187.8	133.5	1187.8					339.1																
	10	7.209	1484.7	161.8	1484.7					410.8																
	12	8.376	1781.7	189.2	1781.7					480.6																
	6	6.300	1169.3	156.8	1169.3					398.3																
	8	7.840	1559.1	200.8	1559.1					510.1																
	6	7.410	1557.9	201.3	1557.9					511.3																
	8	9.250	2077.2	257.8	2077.2					654.9																
	3.937	0.7874	0.500	4	3.665					9.300						6.688	5.469	5.470	5.470	6.730	6.441	7.750	788.2	130.1	788.2	330.5
	4.921	0.7874	0.500	6	4.559					7.420						6.688	5.469	6.441	6.441	7.750	6.441	7.750	1965.9	235.0	1965.9	597.0

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