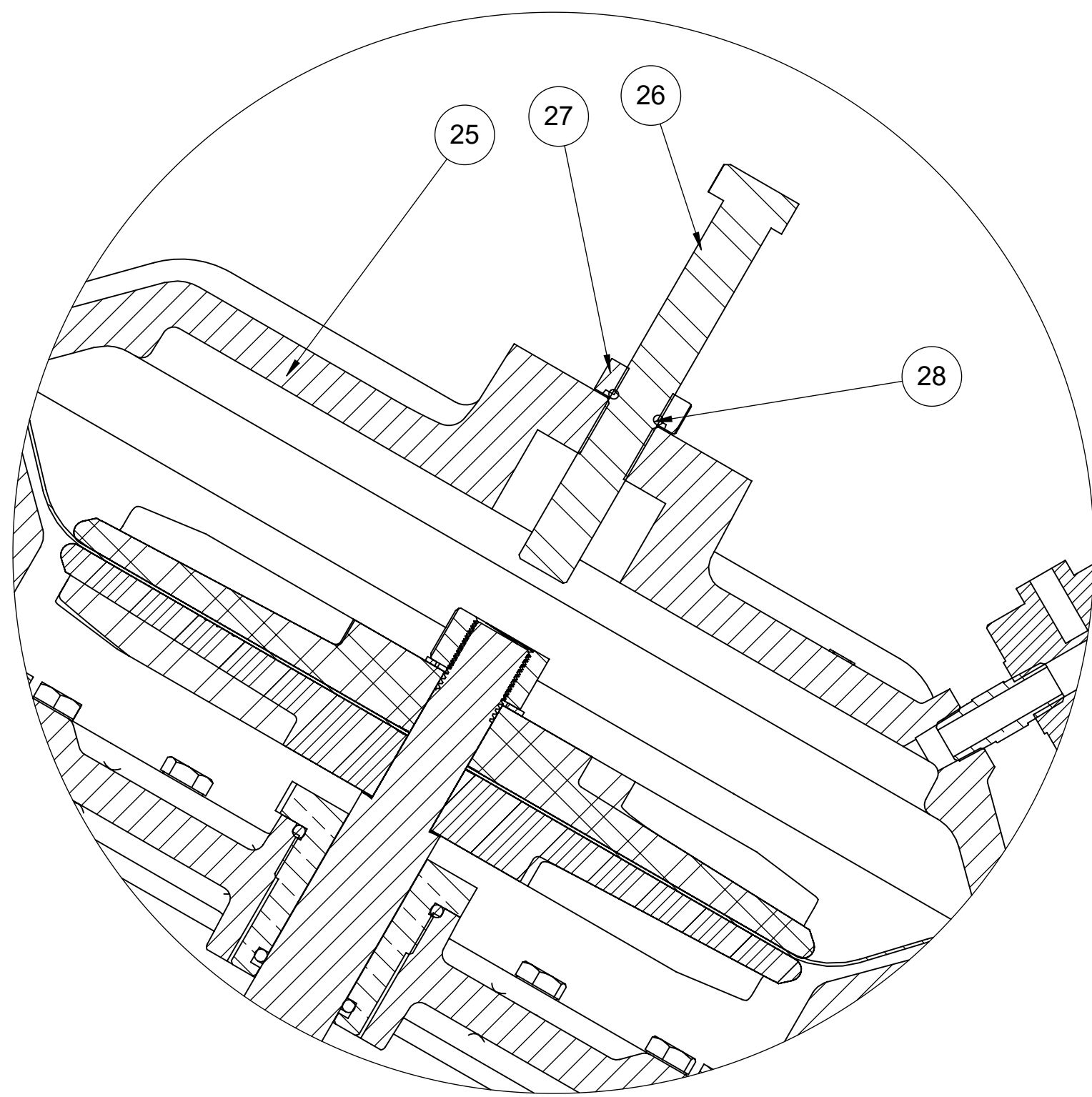
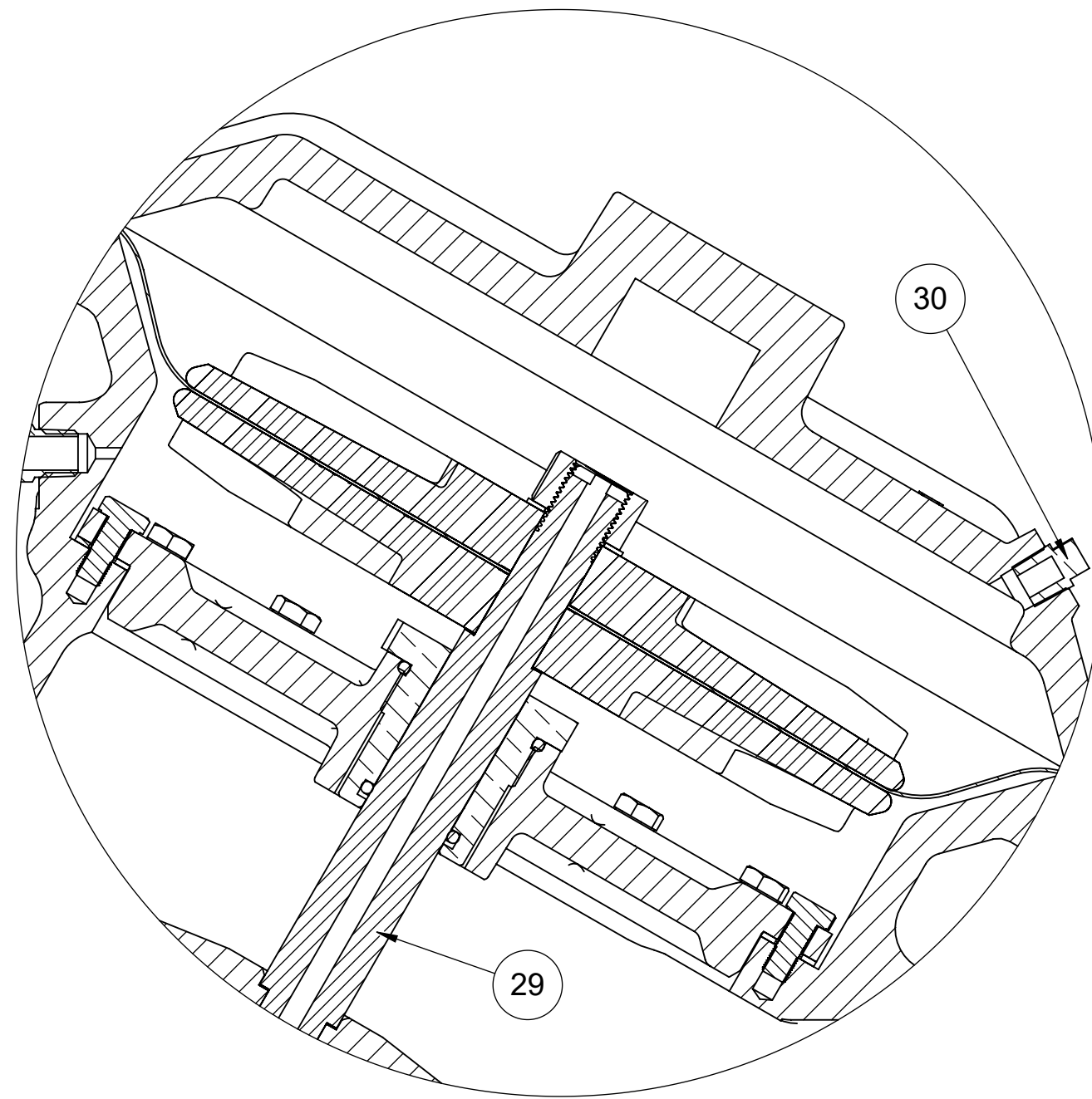
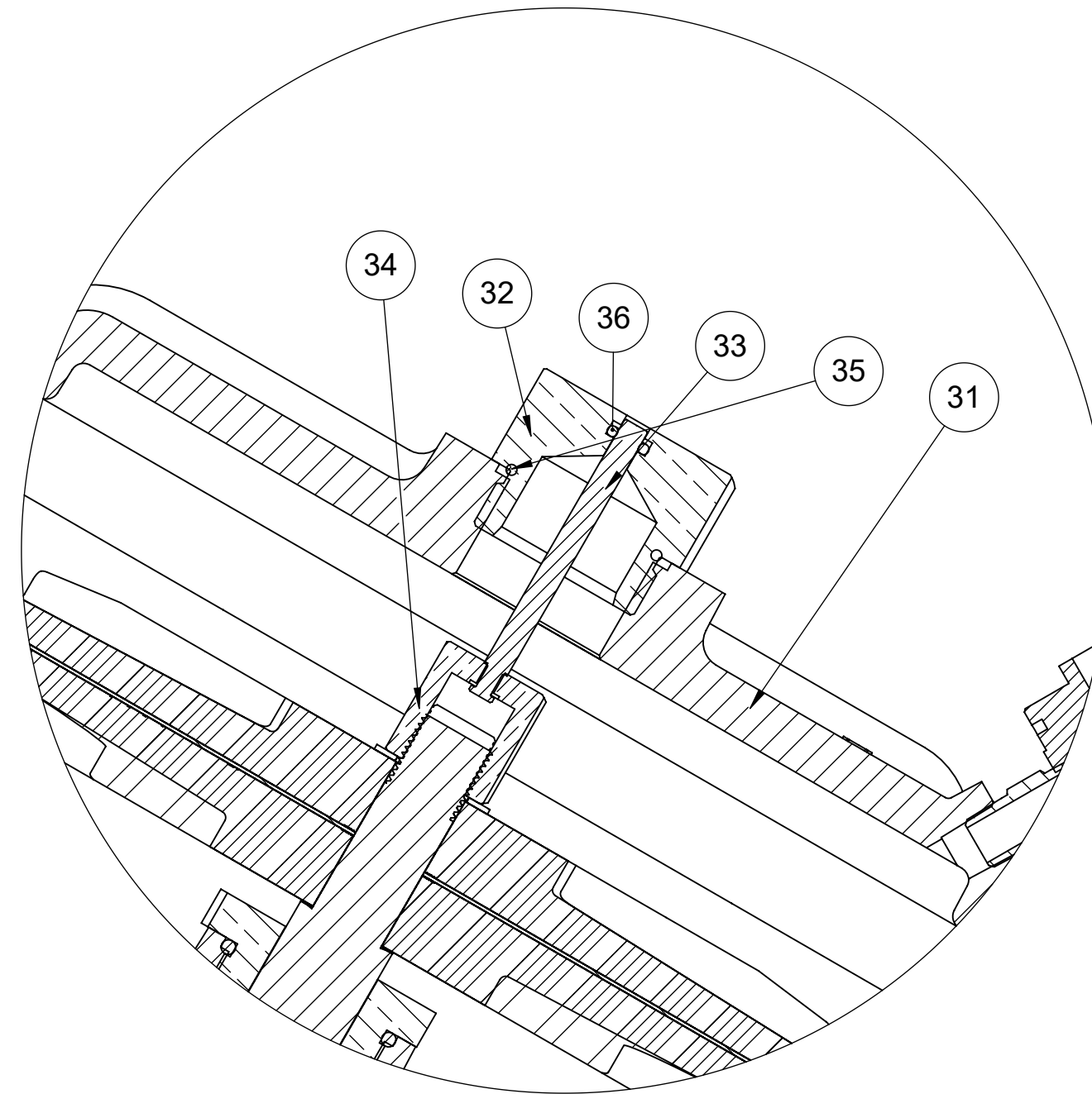




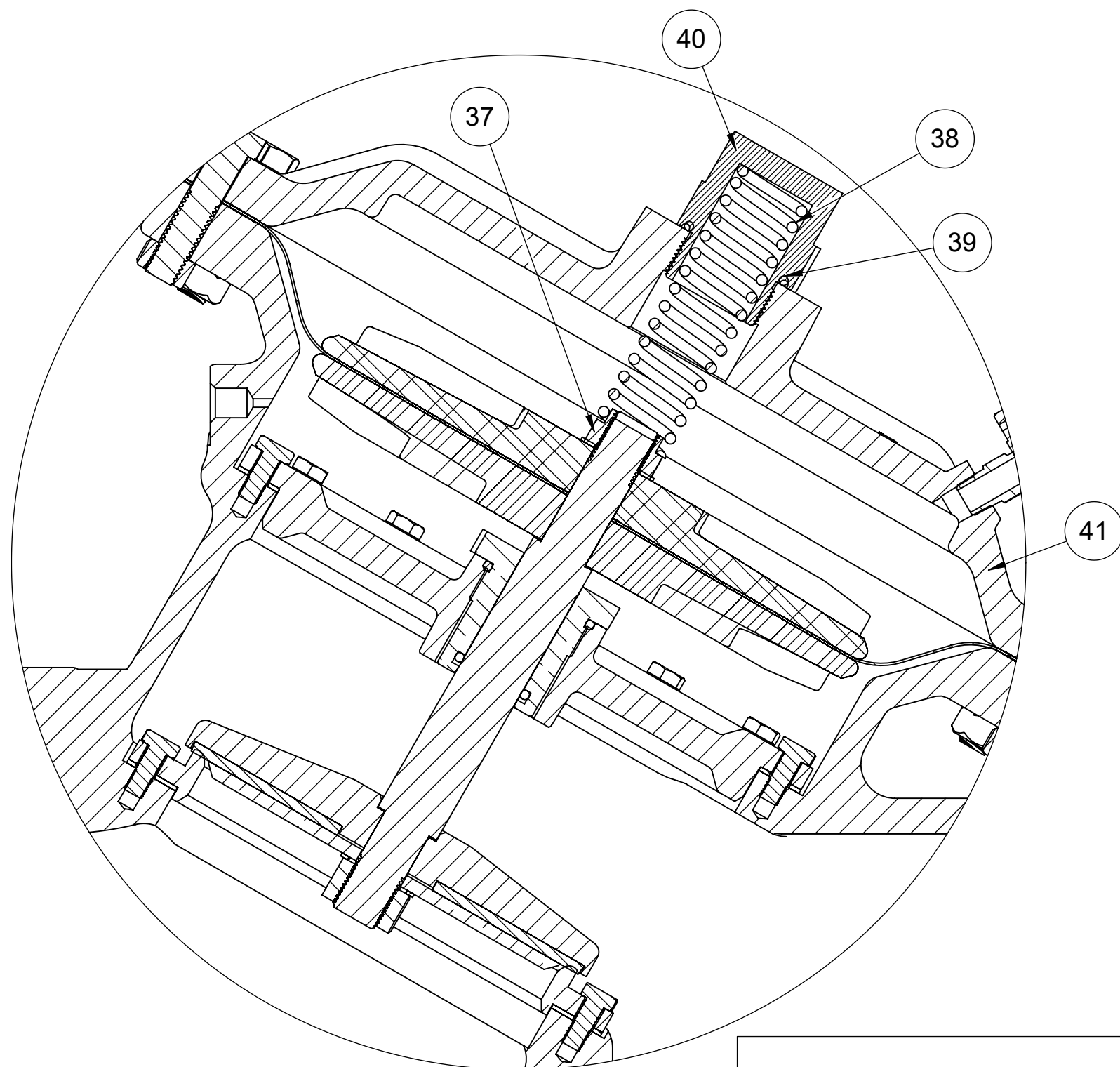
1073184 (V42-3010-00000)
LIMIT STOP



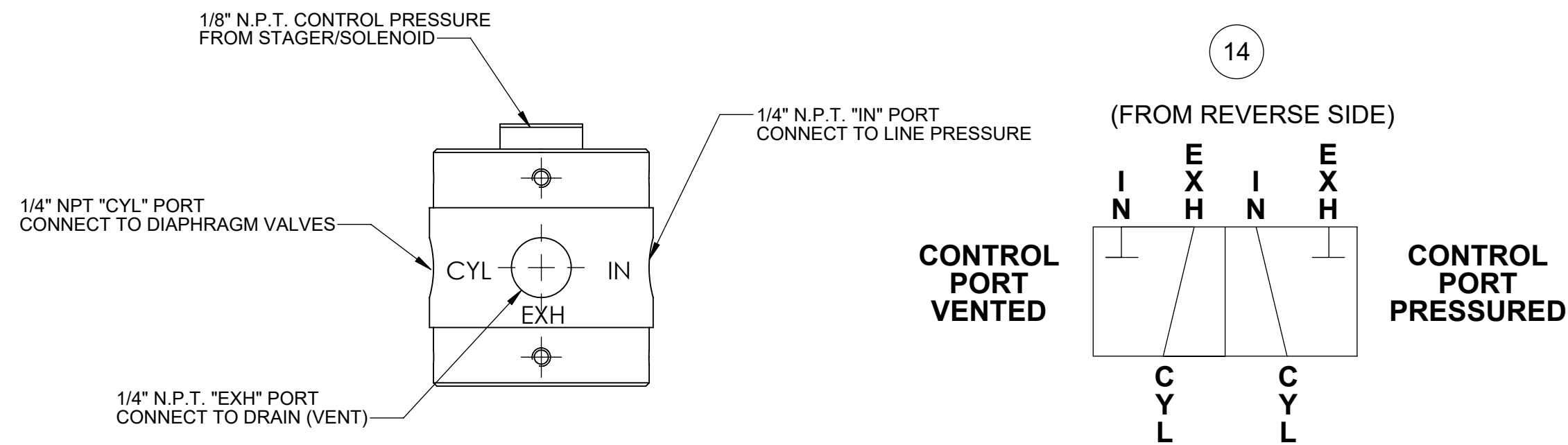
1073187 (V42-3030-00000)
NORMALLY CLOSED



1082048 (V42-3020-00000)
POSITION INDICATOR



4500139 (V42-3002-00000)
SPRING ASSIST CLOSED



THIS 3-WAY "NORMALLY CLOSED" AUXILIARY PILOT VALVE (PART NO. 429-VP) IS FURNISHED WITH ALL V42L DIAPHRAGM VALVES. IT ACCELERATES THE CLOSING AND OPENING SPEED OF THE VALVE.

REPAIR PARTS KITS	
DESCRIPTION	PARTS NO.
INT. PARTS KIT (LIMIT STOP)CONSISTS OF STANDARD ITEM NO'S 26, 27, 28	1074638 (429-LS)
INT. PARTS KIT (NORM. CLOSED) CONSISTS OF STANDARD ITEM NO'S 4(2), 5, 6, 7, 19, 22(12), 29	1074654 (429-RG)
INT. PARTS KIT (SPRING ASSIST CLOSED) CONSISTS OF STANDARD ITEM NO'S 37, 38, 39	1074655 (429-SC)
INT. PARTS KIT (POSITION INDICATOR) CONSISTS OF STANDARD ITEM NO'S 24(2), 32 THRU 36	1074647 (429-PI)

CONVERSION KITS	
DESCRIPTION	PART NO.
CONVERSION KIT (LIMIT STOP) CONSISTS OF STANDARD ITEM NO'S 16 (1), 25 THRU 28	1074639 (429-LSC)
CONVERSION KIT (SPRING ASSIST CLOSED) CONSISTS OF STANDARD ITEM NO'S 11(2), 16, 37 THRU 41	1074656 (429-SCC)
CONVERSION KIT (POSITION INDICATOR) CONSISTS OF STANDARD ITEM NO'S 24(2), 31 THRU 36	1074648 (429-PIC)

REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APP'D
1832	R	CATALOG SHEET UPDATE, ON AQ TEMPLATE	1/22/21	
1943	S	CATALOG SHEET UPDATE, CORRECTIONS TO KITS	9/15/21	
2565	T	MATERIAL CORRECTION TO O-RING 1242721	7/1/2025	

LIMIT STOP MODEL					
ITEM NO.	DESCRIPTION		STD.	PART NUMBER	QTY.
25	CAP, 429, LIMIT STOP	CAST IRON	*	1074617 (429-CCC)	1
26	SCREW, HEX HD CAP, 5/8-18 X 4.5"	SS	*	1074660 (429-U)	1
27	NUT, LIMIT STOP	SS	*	1074434 (426-U)	1
28	O-RING, 2-112	BUNA-N	*	1071690 (ORB-112)	1

NORMALLY CLOSED MODEL					
ITEM NO.	DESCRIPTION		STD.	PART NUMBER	QTY.
29	SHAFT, 429, NORMALLY CLOSED	SS	*	1074637 (429-LL)	1
30	MALE PIPE PLUG, 1/4 NPT	PLATED STEEL	*	1071918 (PLZ-0008)	1

POSITION INDICATOR MODEL					
ITEM NO.	DESCRIPTION		STD.	PART NUMBER	QTY.
31	CAP. 429, POSITION INDICATOR	CAST IRON	*	1074618 (429-CF)	1
32	GUIDE, SHAFT, 429, BRASS		*	1074624 (429-GF)	1
33	SHAFT, 429, SS, MACH		*	1074649 (429-PM)	1
34	NUT, 429, BRASS		*	1074658 (429-TB)	1
35	O-RING, 2-128, NITRILE		*	1071694 (ORB-128)	1
36	O-RING, 2-106, NITRILE, TFLN CTD		*	1071688 (ORB-108TC)	1

SPRING ASSIST CLOSED					
ITEM NO.	DESCRIPTION		STD.	PART NUMBER	QTY.
37	NUT, SPRING RETAINER	SS	*	1074663 (429-X)	1
38	SPRING, COMPRESSION, 429, SAC	SS	*	1074657	1
39	O-RING, 2-222, NITRILE		*	1079839 (ORB-222)	1
40	NUT, SPRING RETAINER, 429, BRASS		*	1074659 (429-TT)	1
41	CAP, 429, SPRING ASSIST CLOSED	CAST IRON	*	1074616 (429-CC)	1

NOTE

1. SPRING ASSIST CLOSED MODEL CANNOT BE COMBINED WITH LIMIT STOP OR POSITION INDICATOR.
2. SPRING ASSIST OPEN MODEL AVAILABLE.

SEE REVERSE SIDE FOR
STANDARD MODEL NORMALLY OPEN MODEL

		THE COMPONENT PART, OR ASSEMBLY DESCRIBED IN THIS DOCUMENT MUST COMPLY WITH THE EU (EUROPEAN UNION) DIRECTIVE: RoHS Directive 2011/65/EC.			
THIS DOCUMENT IS SOLELY THE PROPERTY OF AQ-MATIC REPRODUCTION, USE, DISCLOSURE, OR TRANSMISSION OF THIS DOCUMENT OR DETAILS CONTAINED HEREIN, IN PART OR IN WHOLE, IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF AQ-MATIC ENGINEERING. THIS DOCUMENT AND ANY COPIES SHALL BE RETURNED TO AQ-MATIC UPON WRITTEN REQUEST. DO NOT SCALE DRAWING. DIMS. ARE IN INCHES [mm] TOLERANCES DIMS AND TOLERANCES PER ASME Y14.5M - 1994 UNLESS OTHERWISE SPECIFIED: CORNER FILLETS R=0.005 - [0.127 - 5.08] TOLERANCES: ANGLES: ± 1° 1 PLACE .XX ± .015 [0.38] 2 PLACE .XX ± .01 [0.3] 3 PLACE .XXX ± .005 [0.13]	THIRD ANGLE PROJECTION				
	APPROVALS	DATE	CATALOG SHEET, 429 DIAPHRAGM VALVE STANDARD MODEL		
	DRAWN	TRK 1/22/21			
	CHECKED BY		D	DWG NO. 1077619	REV. T
	APPROVED				
SCALE		SOLIDWORKS FORMAT		SHEET 2 OF 2	