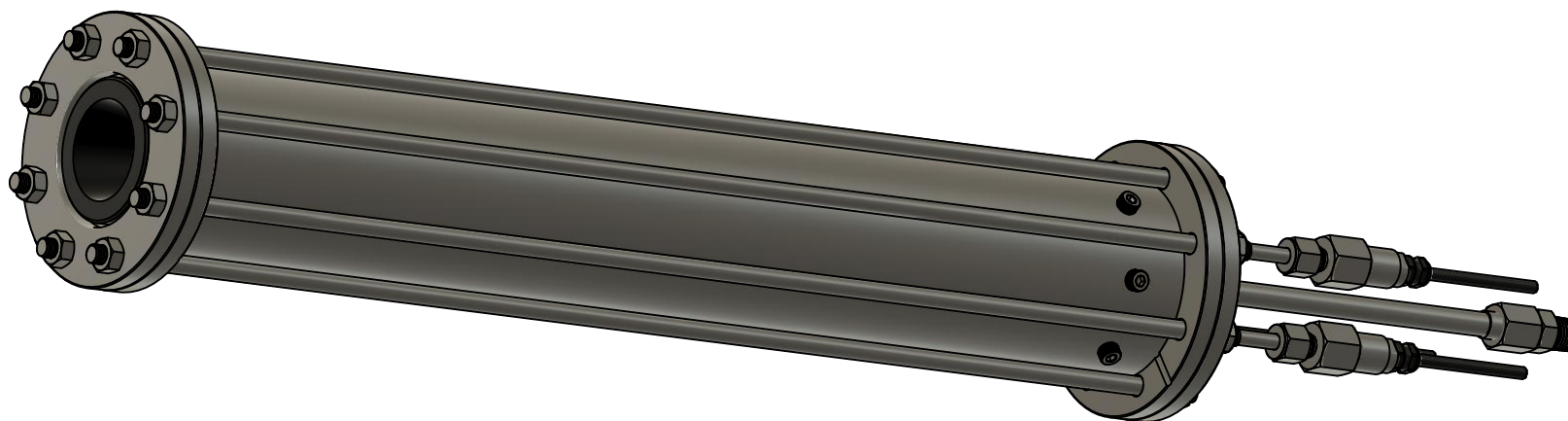


## NOTES

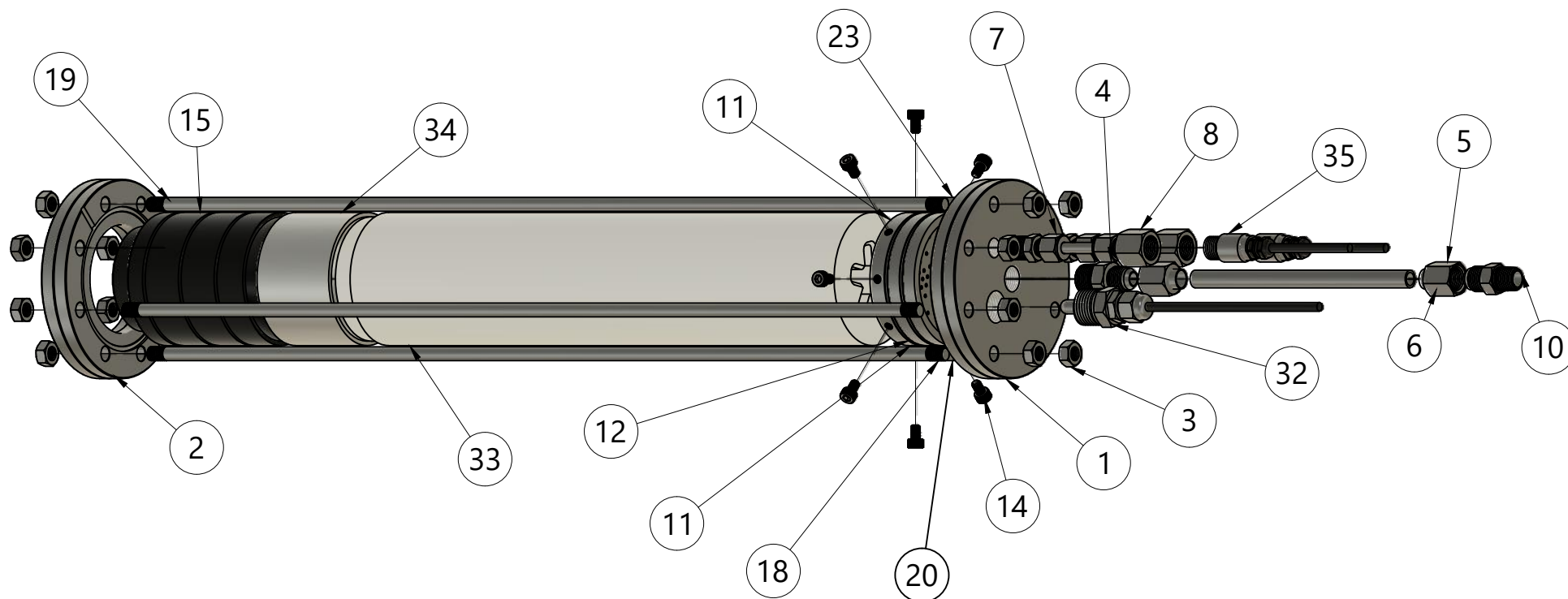
1. INTERPRET DRAWINGS PER ISO 01.100.01
2. INTERPRET DIMENSIONING AND TOLERANCING PER ISO 01.100.01 OR AS STATED
3. MATERIAL: 316 STAINLESS STEEL OR AS STATED
4. REMOVE ALL BURRS AND SHARP EDGES

## Revision History

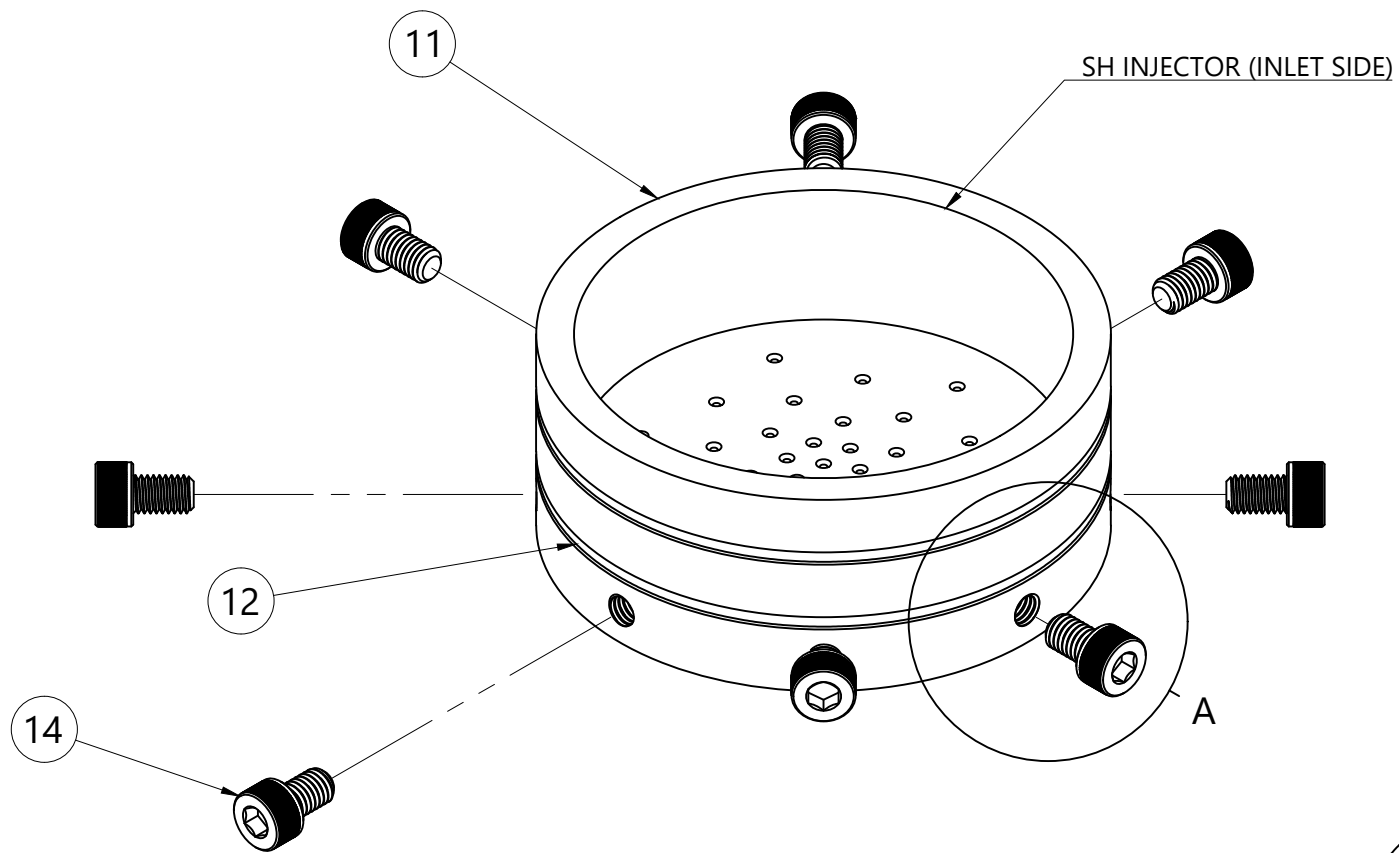
Rev	Description	Date
A	PRELIMINARY RELEASE	
B	ADDED HOLE DIAGRAM TO REAR RETENTION PLATE	10/15/2022



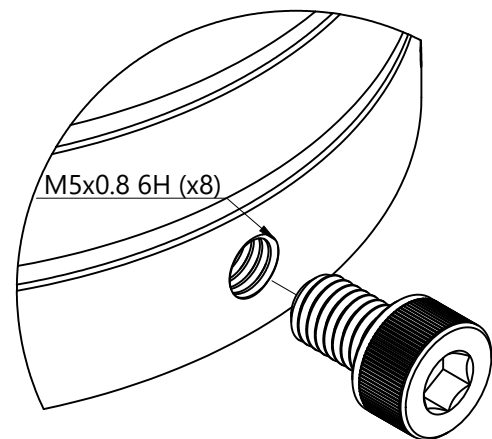
Dept. -	Technical reference -	Created by S P RANGITAAWA 10/13/2022	Approved by -		
		Document type PDF	Document status IN PROGRESS		
		Title SOL 1KN HYBRID ROCKET ENGINE PART DIAGRAMS	DWG No. 1		
			Rev. B	Date of issue 10/15/2022	Sheet 1/9

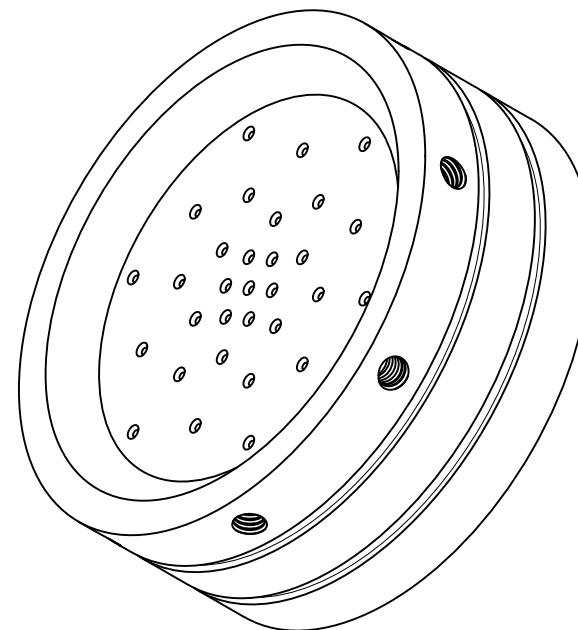
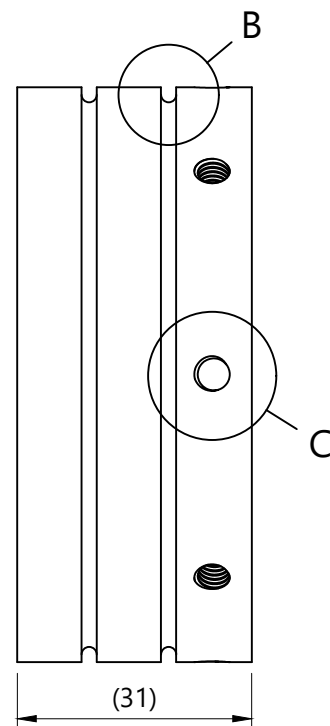
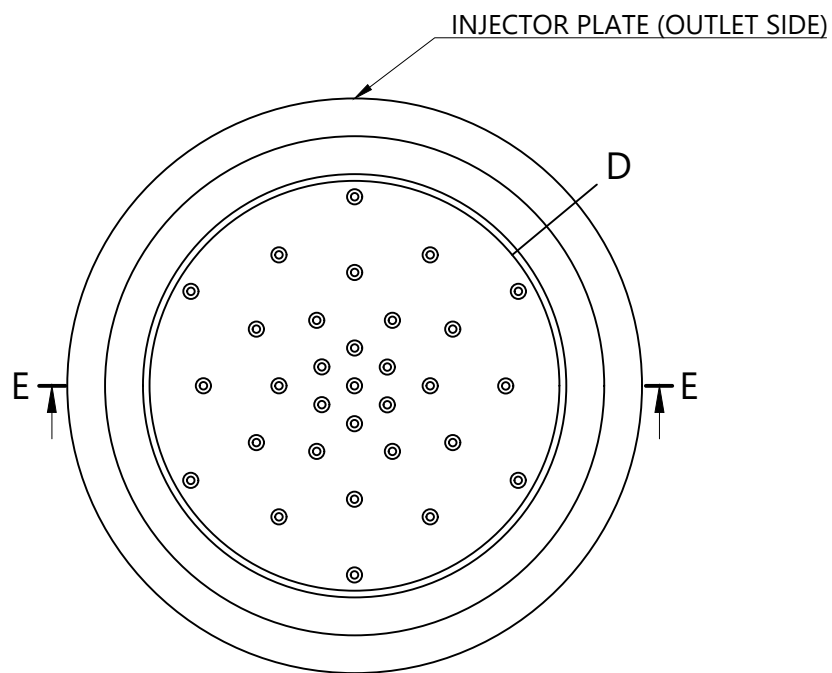
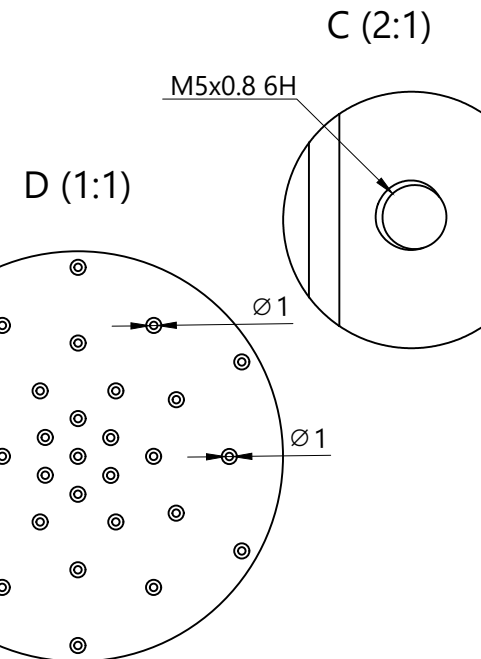
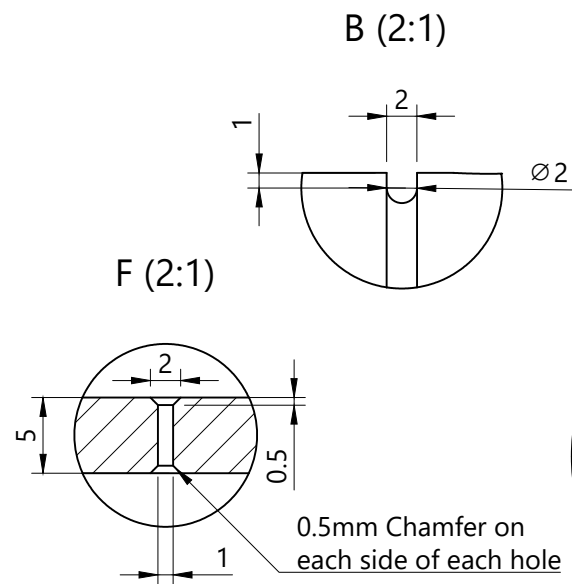
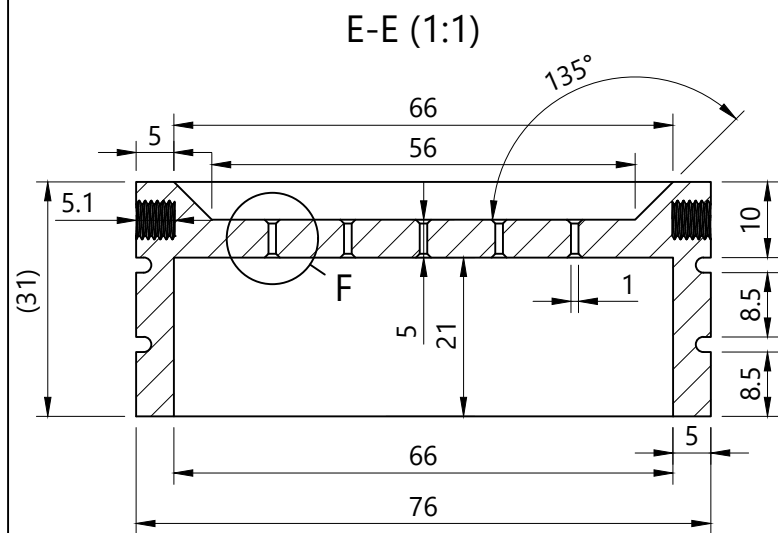


12	1	76mm OD O-Ring	22	1	M8X555mm Rod (5)	32	1	Thermocouple 1/2 NPT
11	1	Injector	21	1	M8X555mm Rod (4)	31	1	Thermocouple cable
10	1	1/4NPT AN10 MM FITTING	20	1	M8X555mm Rod (3)	30	1	Pressure Transducer Cable (1)
8	2	1/4 NPT FF SWAGELOK	19	1	M8X555mm Rod (7)	29	1	Pressure Transducer
7	2	1/4 NPT MF SWAGELOK	18	1	M8X555mm Rod (2)	28	1	Thermocouple fitting
6	2	AN10 HOSE SLEEVE v1	16	1	COMBUSTION CHAMBER (82mm OD, 76.5mm ID)	27	1	1/4 steel tubing (1)
5	2	AN10 NUT v1	15	1	Nozzle (300PSI, 1KN, 4.04 EXPANSION RATIO) v3	26	1	1/4 steel tubing
4	1	3/8NPT AN10 FITTING	14	8	M5x8mm BOLT v1	25	1	AN10 Hose
3	16	M8 NUT v1	13	1	76mm OD O-Ring (1)	24	1	M8X555mm Rod (1)
2	1	CF63 BORE				23	1	M8X555mm Rod (6)
1	1	CF63 BLANK						
Item	Qty	Part Name	Item	Qty	Part Name	Item	Qty	Part Name
Parts List			Parts List			Parts List		
						36	1	Pressure Transducer Cable
						35	1	Pressure Transducer (1)
						34	1	Prechamber
						33	1	Fuel Core

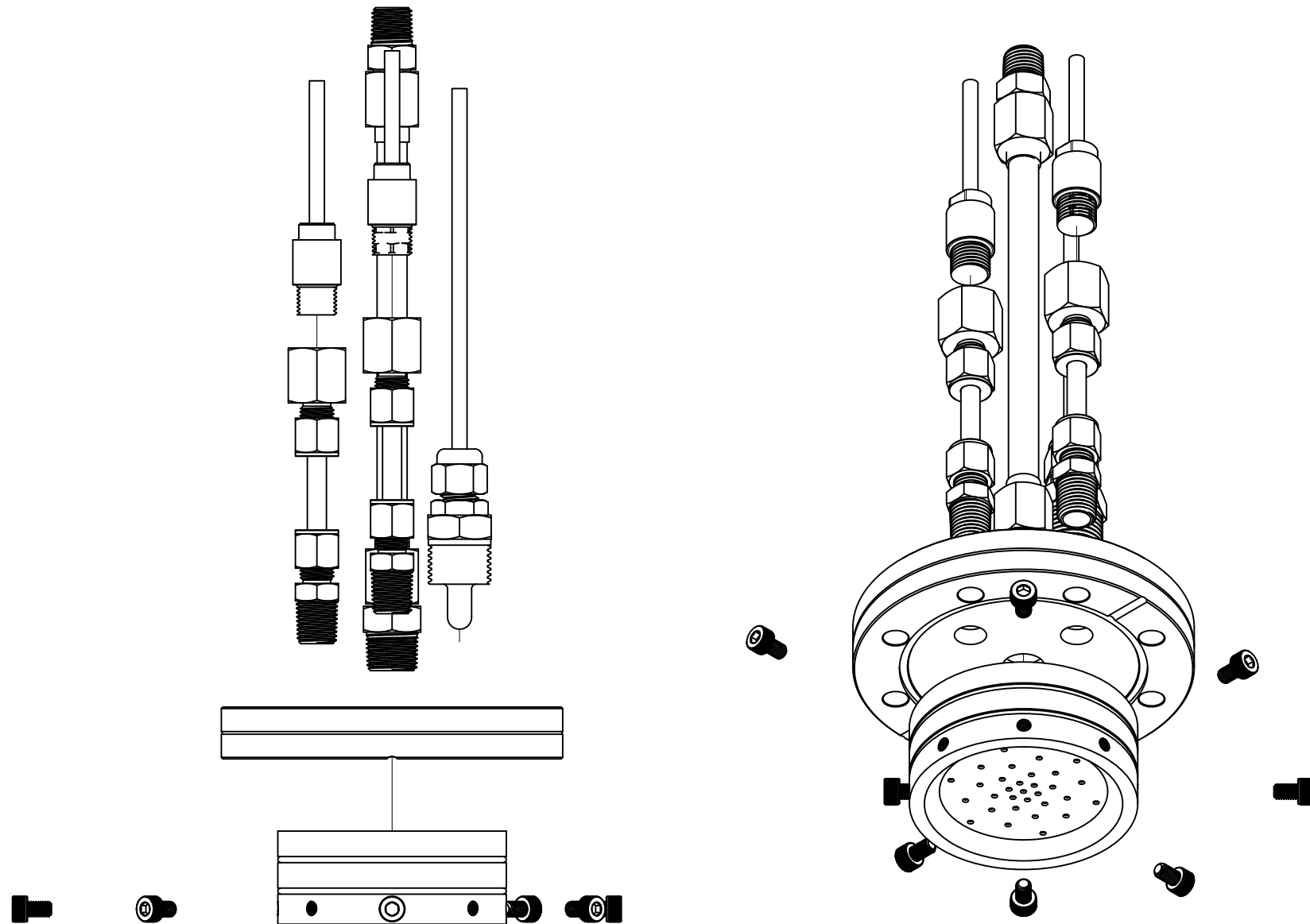


14	8	M5x8mm BOLT v1
13	1	76mm OD O-Ring (1)
12	1	76mm OD O-Ring
11	1	Injector
Item	Qty	Part Name
Parts List		

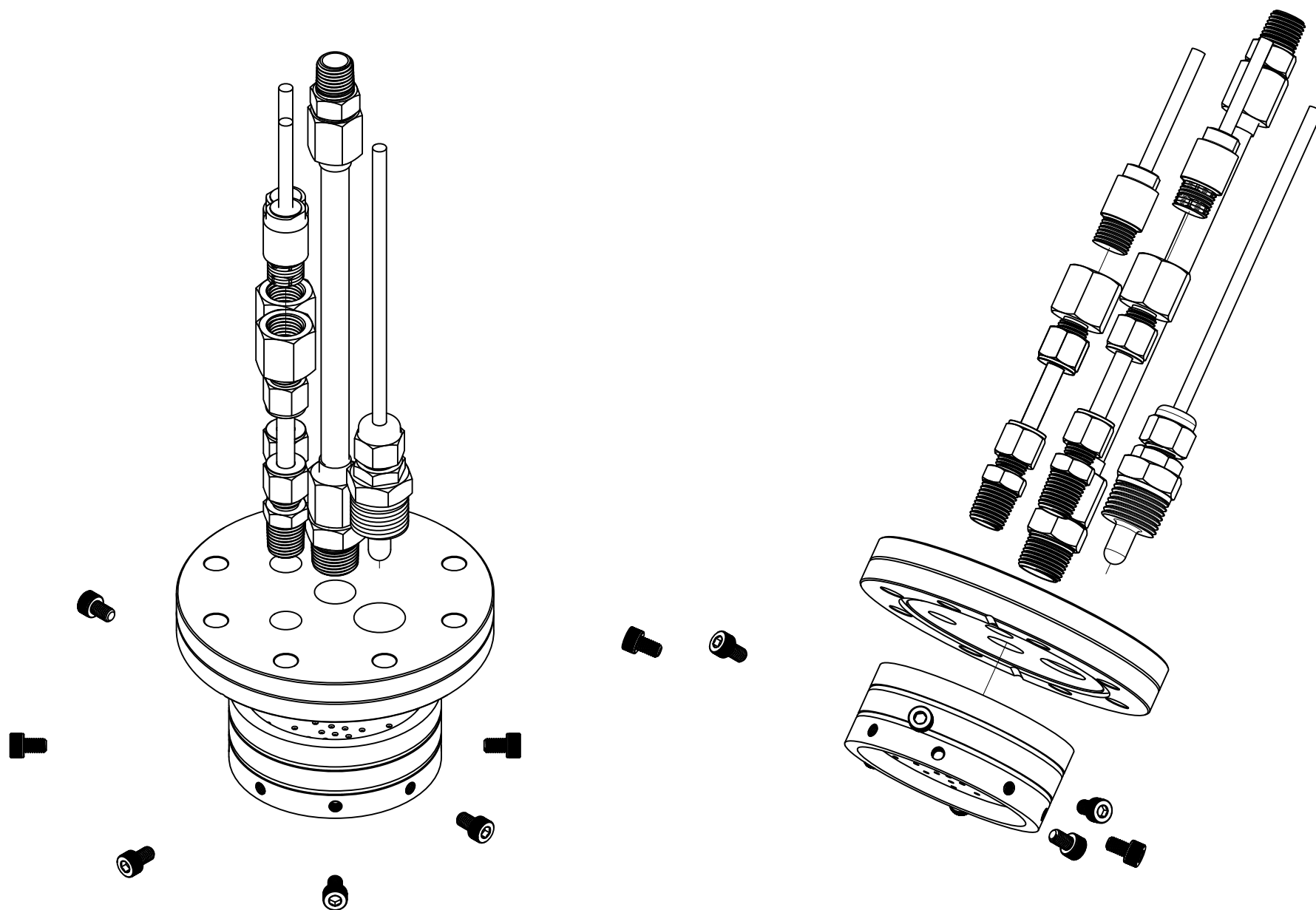


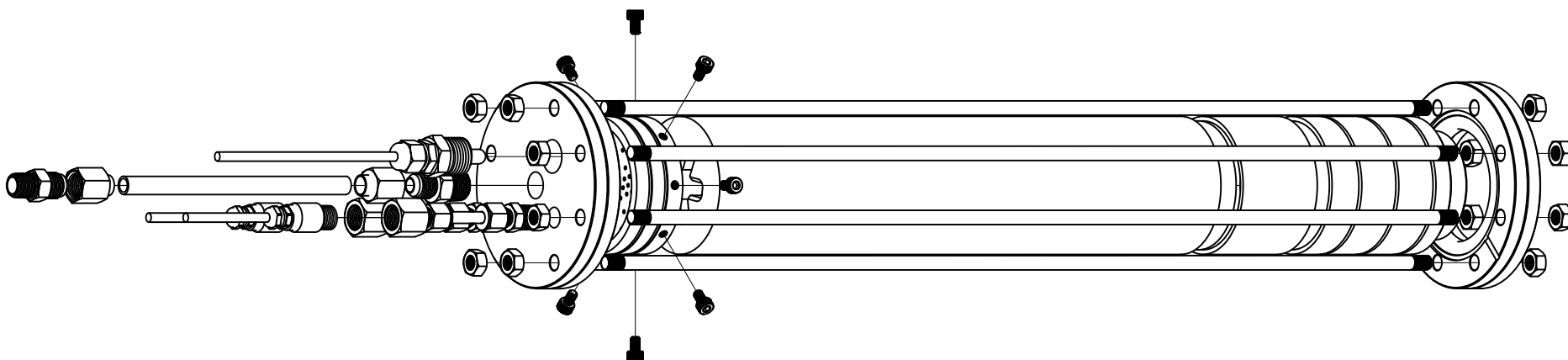
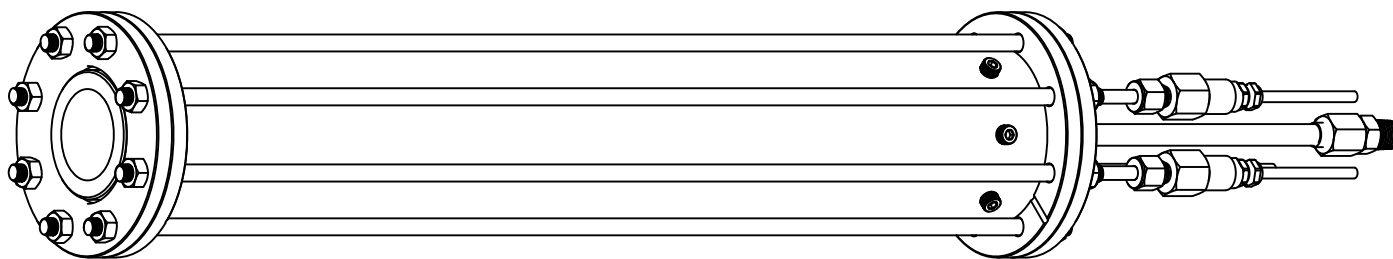
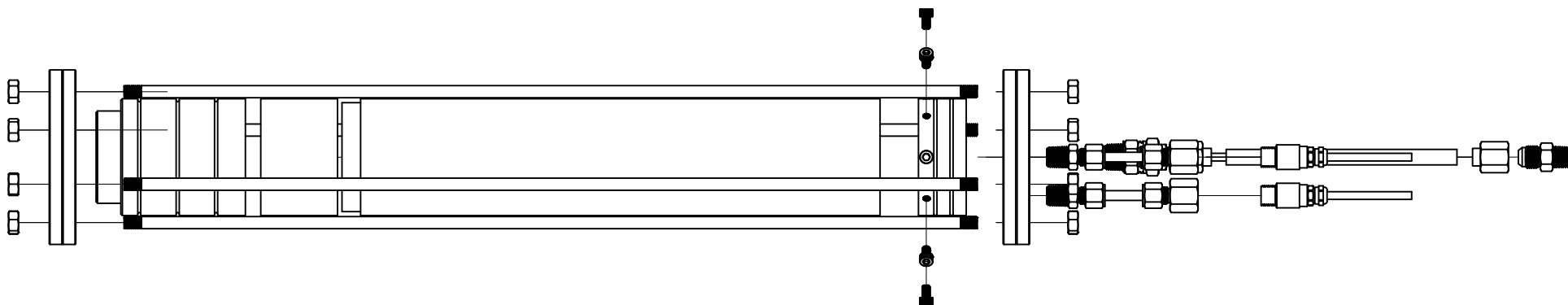


COMPLETE INJECTOR ASSEMBLY (EXPLODED VIEW)

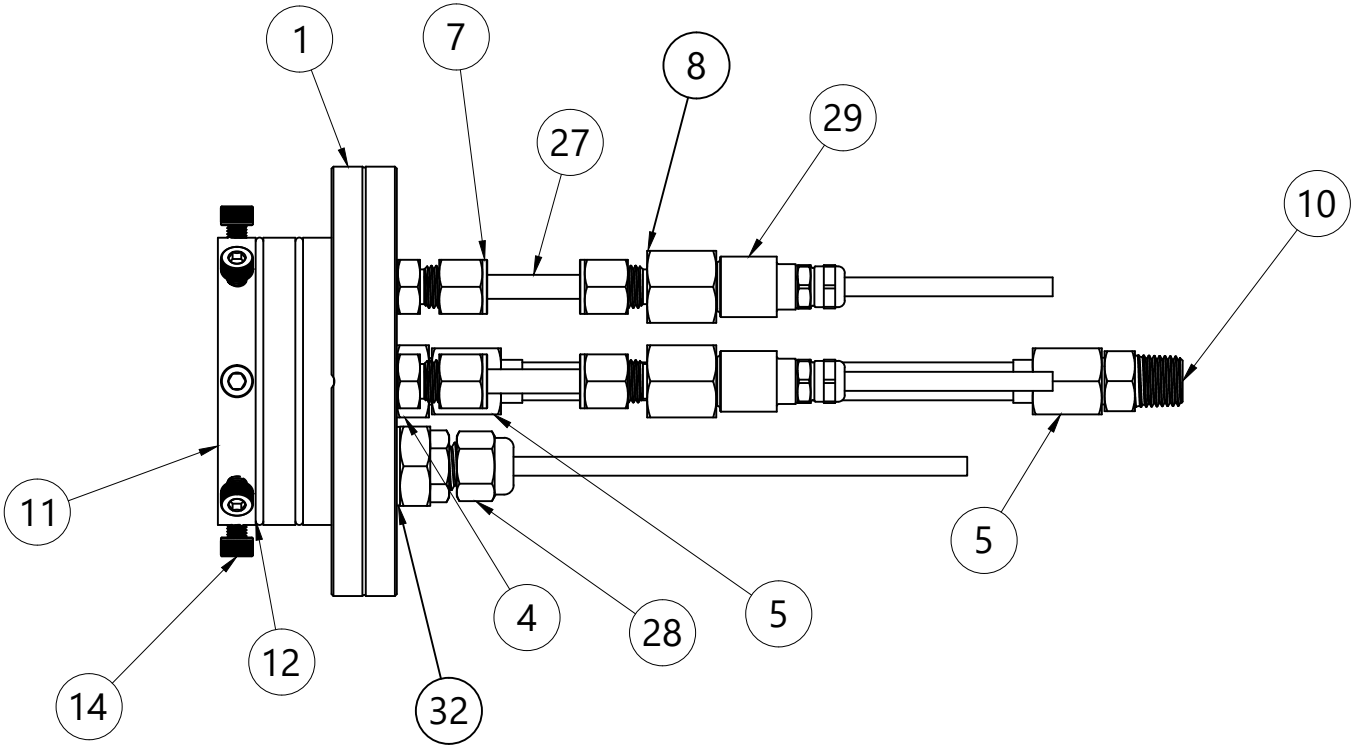


COMPLETE INJECTOR ASSEMBLY (EXPLODED VIEW)





INJECTOR ASSEMBLY PARTS LIST



10	1	1/4NPT AN10 MM FITTING	27	1	1/4 steel tubing (1)	36	1	Pressure Transducer Cable
8	2	1/4 NPT FF SWAGELOK	26	1	1/4 steel tubing	35	1	Pressure Transducer (1)
7	2	1/4 NPT MF SWAGELOK	25	1	AN10 Hose	32	1	Thermocouple 1/2 NPT
6	2	AN10 HOSE SLEEVE v1	14	8	M5x8mm BOLT v1	31	1	Thermocouple cable
5	2	AN10 NUT v1	13	1	76mm OD O-Ring (1)	30	1	Pressure Transducer Cable (1)
4	1	3/8NPT AN10 FITTING	12	1	76mm OD O-Ring	29	1	Pressure Transducer
1	1	CF63 BLANK	11	1	Injector	28	1	Thermocouple fitting
Item	Qty	Part Name	Item	Qty	Part Name	Item	Qty	Part Name
Parts List			Parts List			Parts List		



