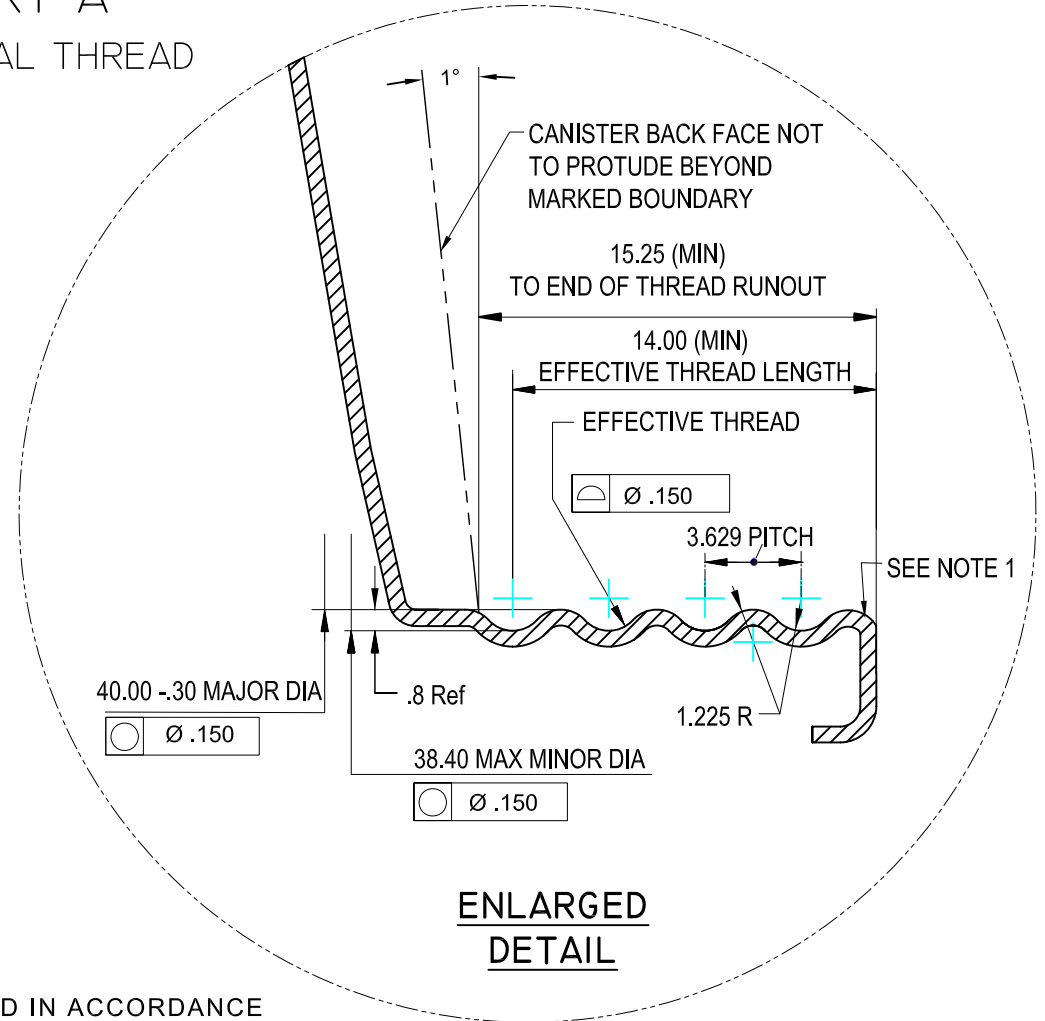
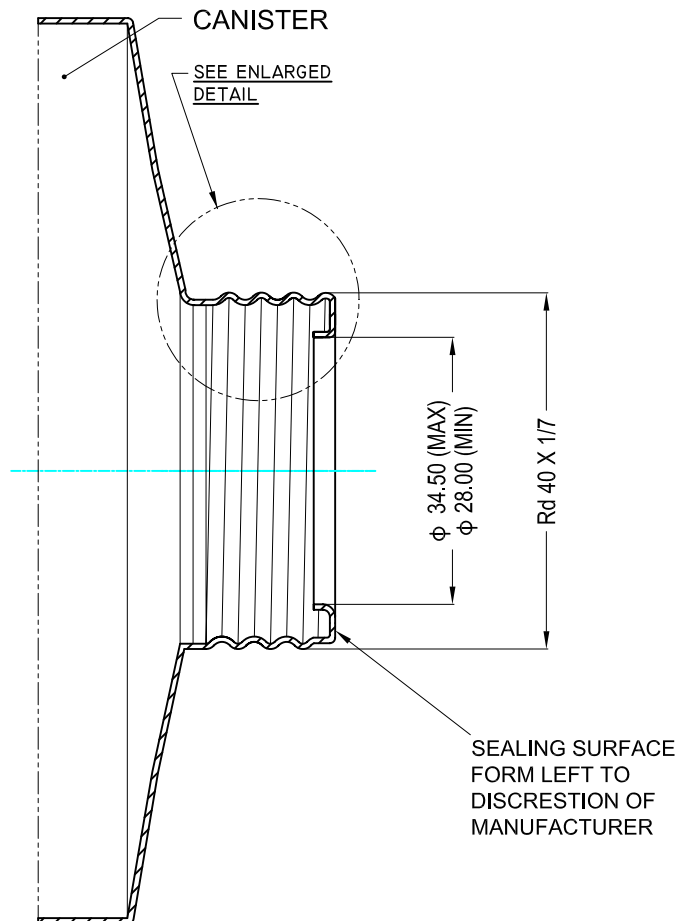


NIOSH CBRN FULL FACEPIECE APR MECHANICAL CONNECTOR AND GASKET

PART-A EXTERNAL THREAD



NOTES:

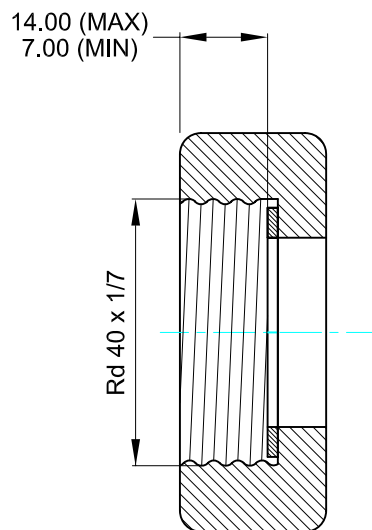
1. FIRST AND SECOND THREAD MUST BE PROPERLY FORMED IN ACCORDANCE WITH THREAD PROFILE AND TOLERANCE.
2. NO CANISTER ADAPTERS PERMITTED (A CANISTER ADAPTER IS DEFINED AS ANY COMPONENT BETWEEN THE INTERNAL THREAD OF THE CONNECTOR AND THE EXTERNAL THREAD OF THE CANISTER).
3. *TO END OF THREAD RUNOUT*-THIS IS THAT PORTION OF THE INCOMPLETE THREAD WHICH IS NOT FULLY FORMED AT THE ROOT OR CREST.
4. *EFFECTIVE THREAD LENGTH*-THIS INCLUDES THE COMPLETE THREAD AND THOSE PORTIONS OF THE INCOMPLETE THREAD WHICH ARE FULLY FORMED AT THE ROOT BUT NOT AT THE CREST; THUS EXCLUDING THE VANISH THREAD.

Figure 1

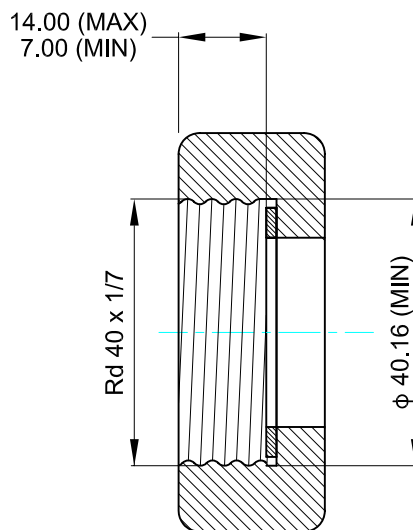
NIOSH CBRN FULL FACEPIECE APR MECHANICAL CONNECTOR AND GASKET

PART-B

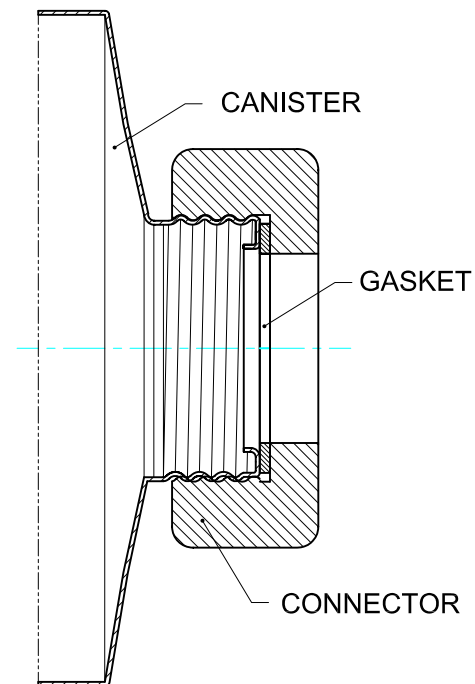
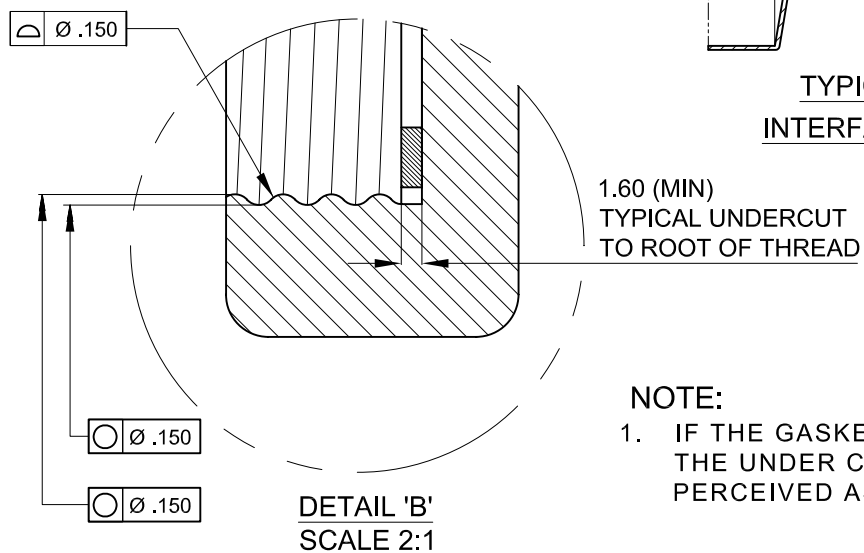
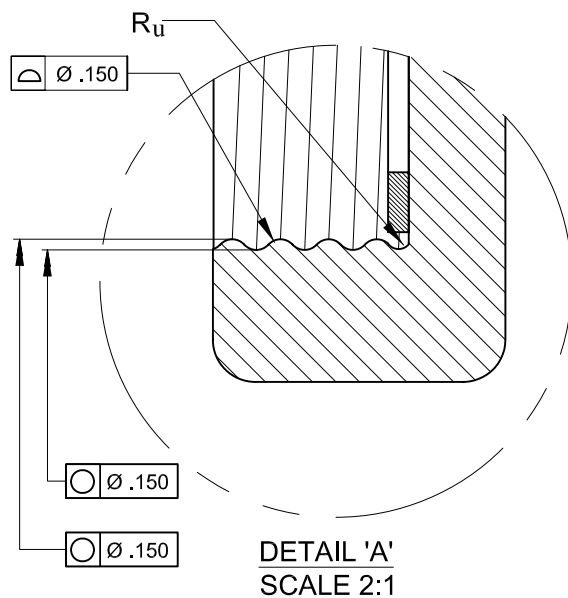
INTERNAL THREAD



OPTION 'A'
(WITHOUT UNDERCUT)



OPTION 'B'
(WITH UNDERCUT)



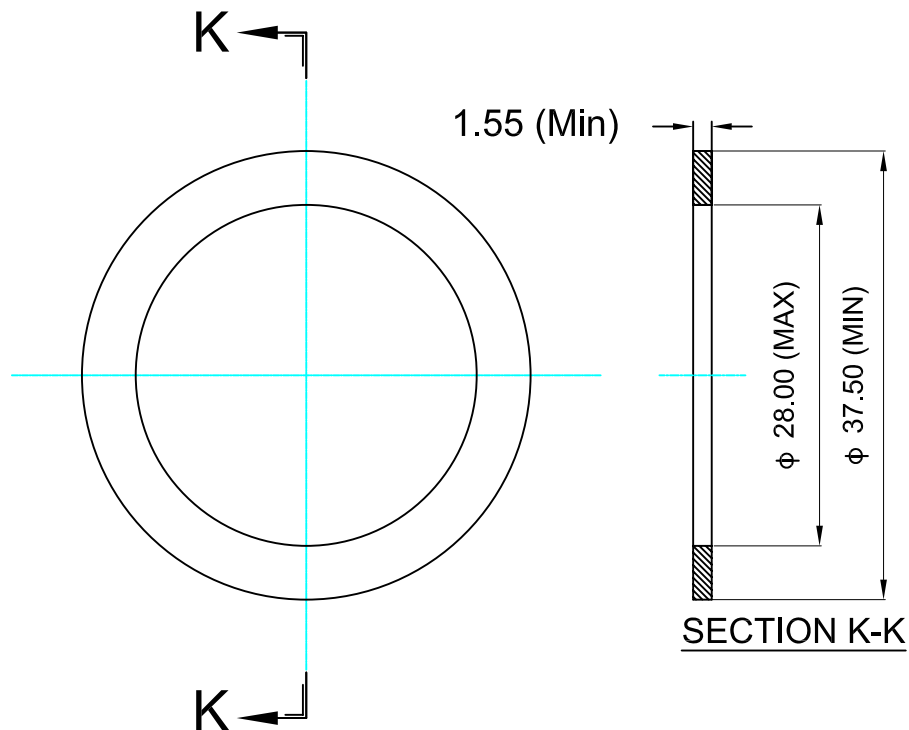
TYPICAL CONNECTION
INTERFACE ARRANGEMENT

NOTE:

1. IF THE GASKET THICKNESS EXCEEDS THE UNDER CUT HEIGHT IT WILL BE PERCEIVED AS A RADIUS (R_u).

NIOSH CBRN FULL FACEPIECE APR MECHANICAL CONNECTOR AND GASKET

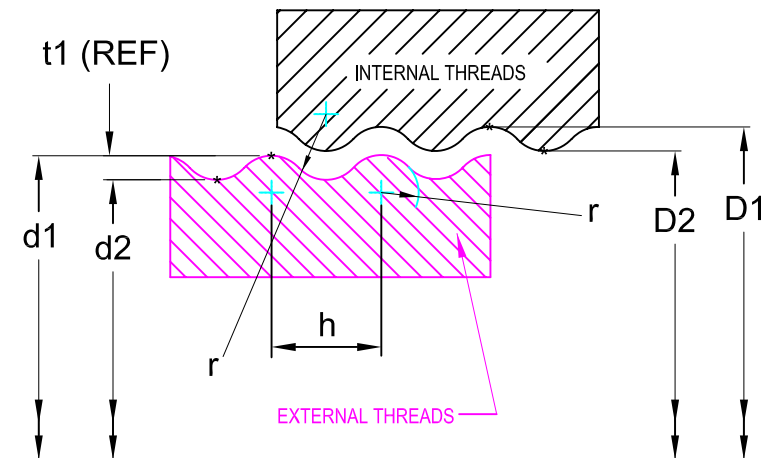
PART- C GASKET



NOTES:

1. POSITIVE RETENTION AND CENTERING OF GASKET TO CONNECTOR RECEPTACLE REQUIRED.
2. CONNECTOR INTERFACE TO HAVE RIGHT HAND THREAD.

PART- D THREAD DIMENSIONS



MECHANICAL CONNECTION INTERFACE THREAD DIMENSIONS

THREAD	THREAD LIMITS						PITCH	THREADS PER 25.4 mm	HEIGHT	RADIUS
	EXTERNAL		INTERNAL							
	MAJOR DIAMETER d1		MINOR DIAMETER d2	MAJOR DIAMETER D1		MINOR DIAMETER D2				
	Max.	Min.	Max.	Min.	Min.	Max.				
							h		t1	r
Rd 40 x 1/7	40.00	39.70	38.40	40.16	38.56	38.86	3.629	7	(0.8)	1.225