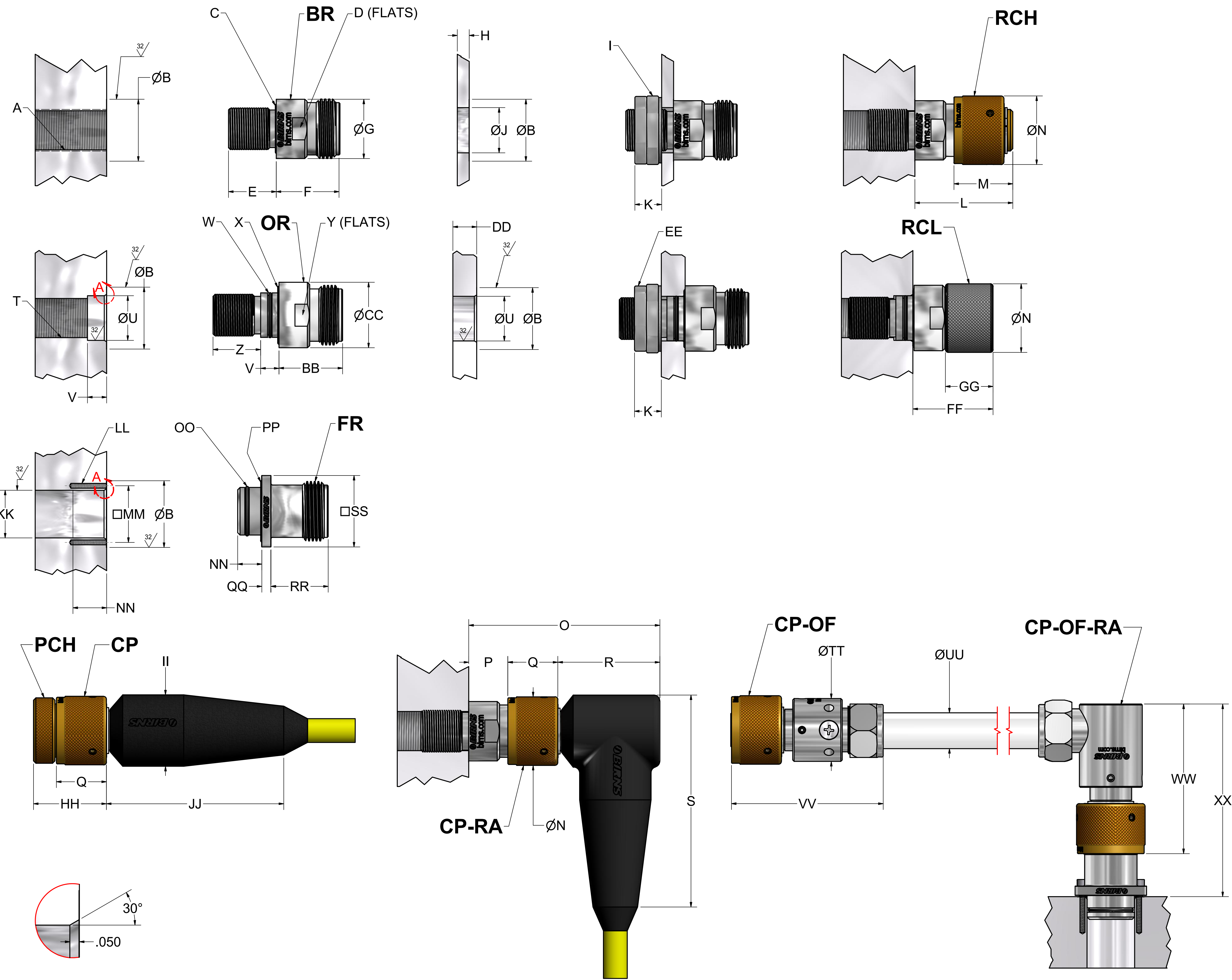




Millennium 3M Dimensions



Callout	Description	3M
A	BR Mounting Thread	1-20 UNEF-2B
B	O-Ring Spot Face	1.38
C	BR Face O-Ring	2-024
D	BR Wrench Flats	
E	BR Thread Length	1
F	BR Body Height	1.13
G	BR Body Diameter	1.5
H	BR Vessel Thickness, Drilled	.48 max
I	BR Nut/Washer Assy P/N	24I-102
J	BR Drilled Hole Diameter	1.02
K	BR/OR Nut and Washer Height	0.52
L	BR/RCH Combined Height	1.83
M	RCH Height	1.25
N	Engaging Nut Diameter	1.56
O	BR/CP-RA Combined Height	3.48
P	CP to Face Distance, on BR	0.61
Q	Engaging Nut Height	1.05
R	RA Overmold Height	1.82
S	RA Overmold Length	4.5
T	OR Mounting Thread	1-20 UNEF-2B
U	OR Shaft Seal Diameter	1.000 +.002/-.000
V	OR Shaft Seal Depth	0.4
W	OR Shaft Seal O-Ring	2-020
X	OR Face Seal O-Ring	2-024
Y	OR Wrench Flats	1.3
Z	OR Thread Length	1
BB	OR Body Height	1.12
CC	OR Body Diameter	1.5
DD	OR Vessel Thickness, Drilled	.86 max
EE	OR Nut/Washer Assy P/N	24I-102
FF	OR/RCL Combined Height	1.52
GG	RCL Height	1
HH	Engaging Nut/PCH Comb. Height	1.53
II	Straight Overmold Diameter	1.5
JJ	Straight Overmold Length	3.39
KK	FR Shaft Seal Diameter	1.000 +.002/-.000
LL	FR Mounting Screw Size	#8
MM	FR Mounting Screw Pattern	1.186
NN	FR Shaft Seal Depth	0.5
OO	FR Shaft Seal O-Ring	2-020
PP	FR Face Seal O-Ring	2-024
QQ	FR Flange Thickness	0.15
RR	FR Body Height	1.1
SS	FR Flange Dimension	1.5
TT	CP-OF Body Diameter	1.32
UU	Oil-Filled Tubing Diameter	3/4 or 1
VV	CP-OF Overall Length	3.18
WW	CP-OF-RA Height	3.72
XX	FR/CP-OF-RA Clearance Height	4.28

DETAIL A
TYPICAL O-RING
LEAD IN

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