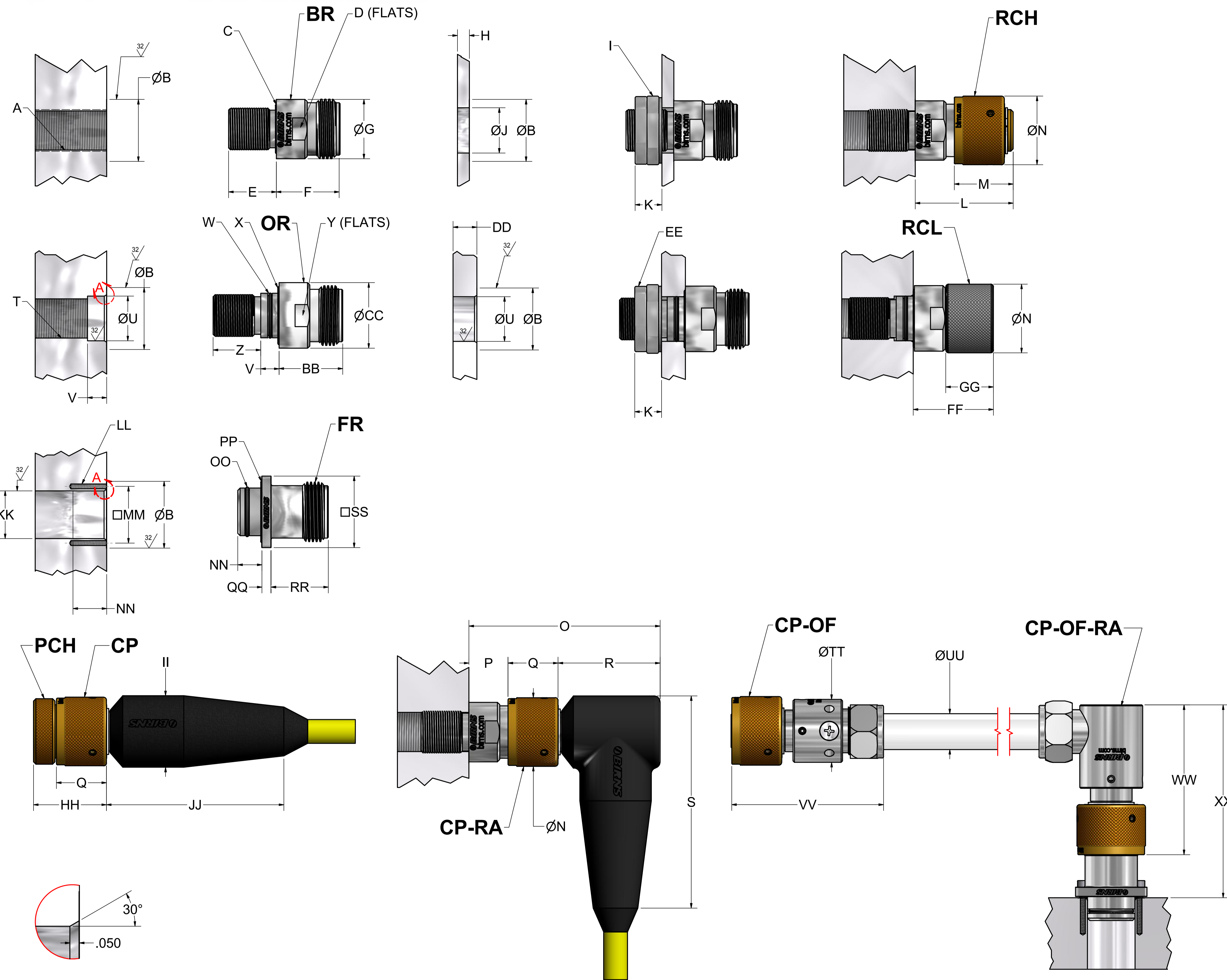


# BIRNS<sup>®</sup> Millennium 3P Dimensions



Callout	Description	3P
A	BR Mounting Thread	1 1/4-16 UN-2B
B	O-Ring Spot Face	1.88
C	BR Face O-Ring	2-028
D	BR Wrench Flats	1 5/8
E	BR Thread Length	1
F	BR Body Height	1.34
G	BR Body Diameter	1.75
H	BR Vessel Thickness, Drilled	.44 max
I	BR Nut/Washer Assy P/N	241-125
J	BR Drilled Hole Diameter	1.27
K	BR/OR Nut and Washer Height	0.56
L	BR/RCH Combined Height	2.06
M	RCH Height	1.23
N	Engaging Nut Diameter	1.94
O	BR/CP-RA Combined Height	3.12
P	CP to Face Distance, on BR	0.48
Q	Engaging Nut Height	1.05
R	RA Overmold Height	1.59
S	RA Overmold Length	4.49
T	OR Mounting Thread	1 1/4-16 UN-2B
U	OR Shaft Seal Diameter	1.250 +.002/-.000
V	OR Shaft Seal Depth	0.42
W	OR Shaft Seal O-Ring	2-024
X	OR Face Seal O-Ring	2-028
Y	OR Wrench Flats	1.62
Z	OR Thread Length	1
BB	OR Body Height	1.29
CC	OR Body Diameter	1.75
DD	OR Vessel Thickness, Drilled	.82 max
EE	OR Nut/Washer Assy P/N	241-125
FF	OR/RCL Combined Height	1.75
GG	RCL Height	1.05
HH	Engaging Nut/PCH Comb. Height	1.63
II	Straight Overmold Diameter	1.82
JJ	Straight Overmold Length	4.5
KK	FR Shaft Seal Diameter	1.500 +.002/-.000
LL	FR Mounting Screw Size	#10
MM	FR Mounting Screw Pattern	1.85
NN	FR Shaft Seal Depth	0.5
OO	FR Shaft Seal O-Ring	2-028
PP	FR Face Seal O-Ring	2-030
QQ	FR Flange Thickness	0.3
RR	FR Body Height	1.16
SS	FR Flange Dimension	2.36
TT	CP-OF Body Diameter	1.62
UU	Oil-Filled Tubing Diameter	1
VV	CP-OF Overall Length	3.52
WW	CP-OF-RA Height	3.42
XX	FR/CP-OF-RA Clearance Height	4.05

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DETAIL A  
TYPICAL O-RING  
LEAD IN