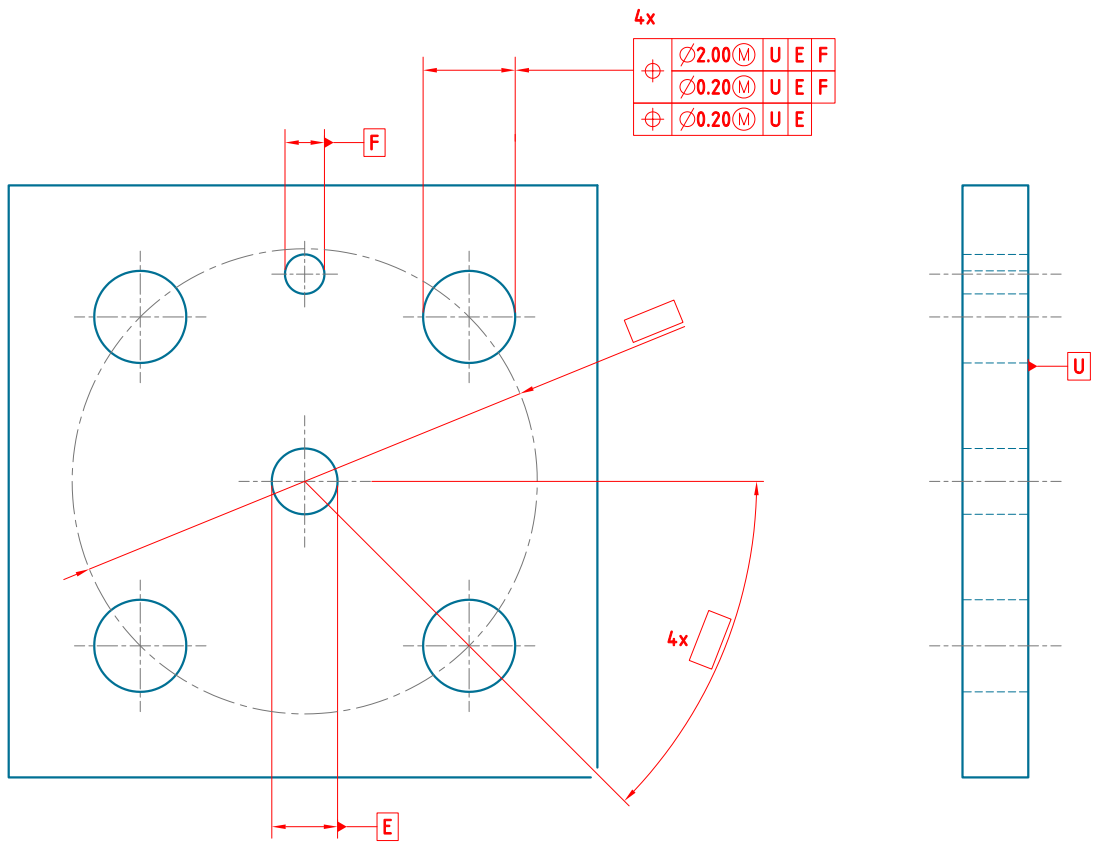
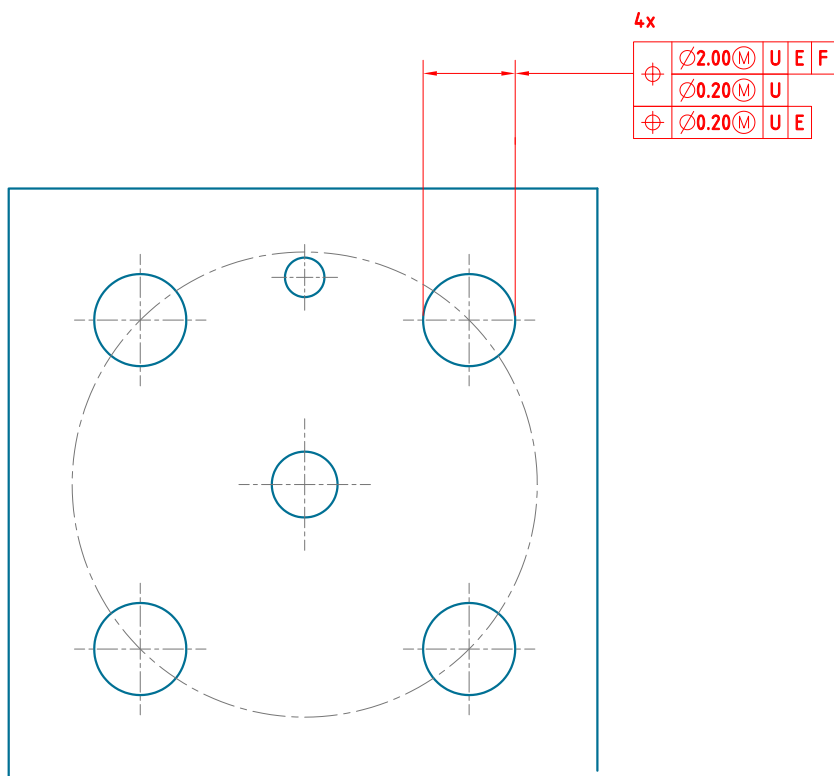


Dimensioning #1

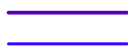



Dimensioning #2



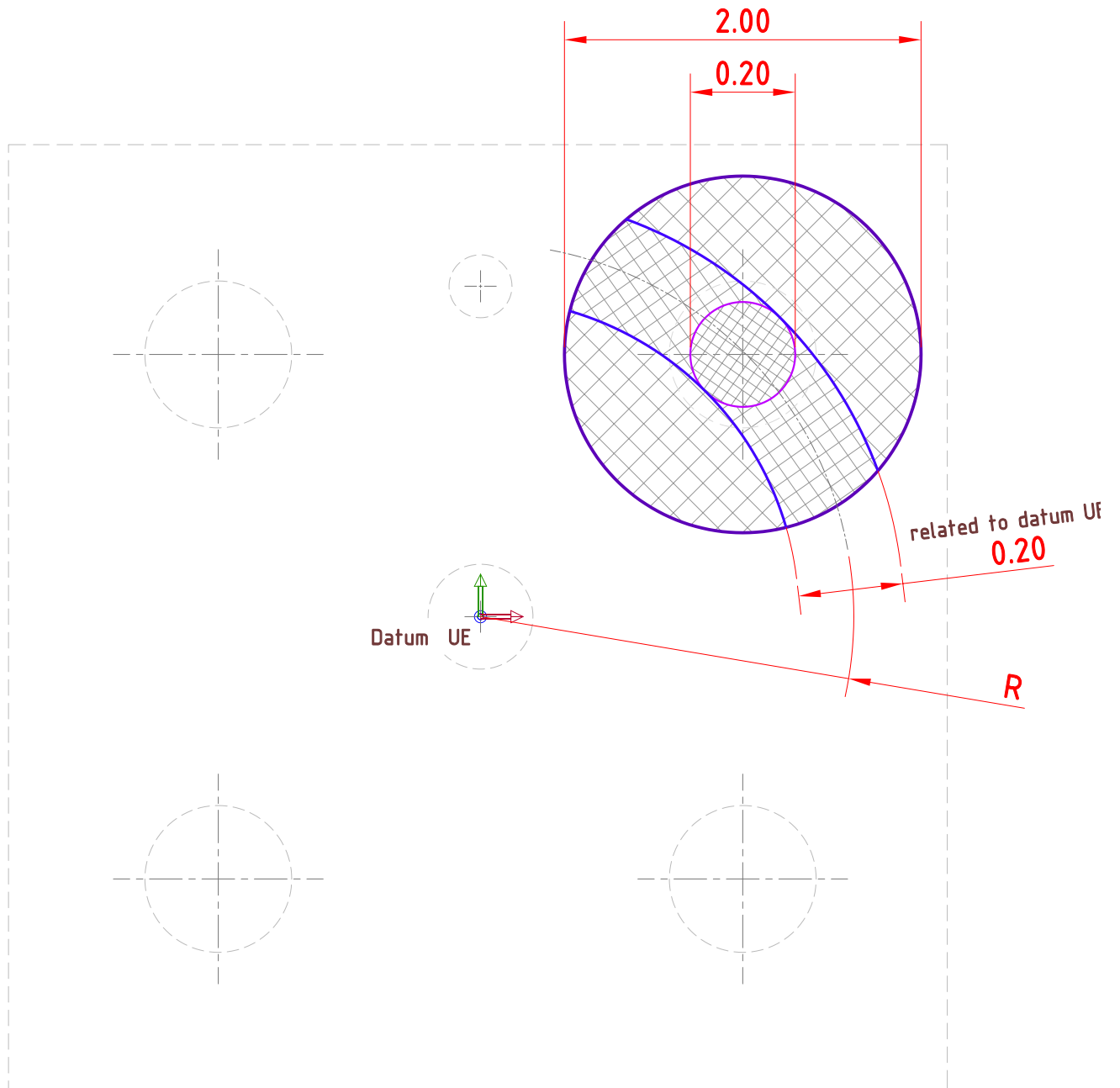
Dimensioning #1 and #2

Tolerance zones

-  fixed tolerance gage
-  translatory tolerance gage

\oplus	$\varnothing 2.00 \text{ (M)}$	U	E	F
	$\varnothing 0.20 \text{ (M)}$	U	E	F
\oplus	$\varnothing 0.20 \text{ (M)}$	U	E	

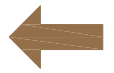
\oplus	$\varnothing 2.00 \text{ (M)}$	U	E	F
	$\varnothing 0.20 \text{ (M)}$	U		
\oplus	$\varnothing 0.20 \text{ (M)}$	U	E	



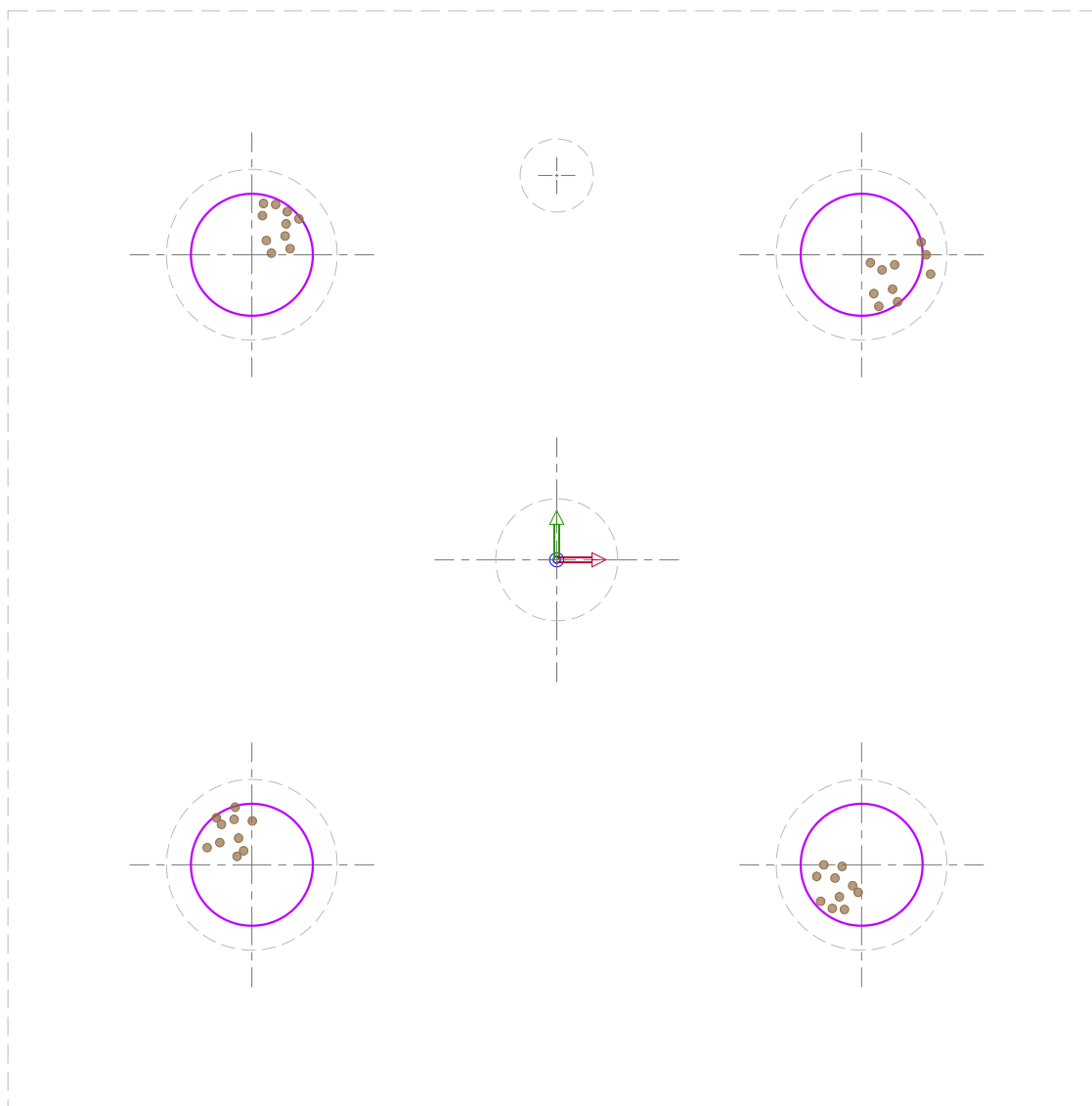
Actual values

After translatory fit

\oplus	$\varnothing 2.00 (M)$	U	E	F
	$\varnothing 0.20 (M)$	U	E	F
\oplus	$\varnothing 0.20 (M)$	U	E	



\oplus	$\varnothing 2.00 (M)$	U	E	F
	$\varnothing 0.20 (M)$	U		
\oplus	$\varnothing 0.20 (M)$	U	E	



Actual values




⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

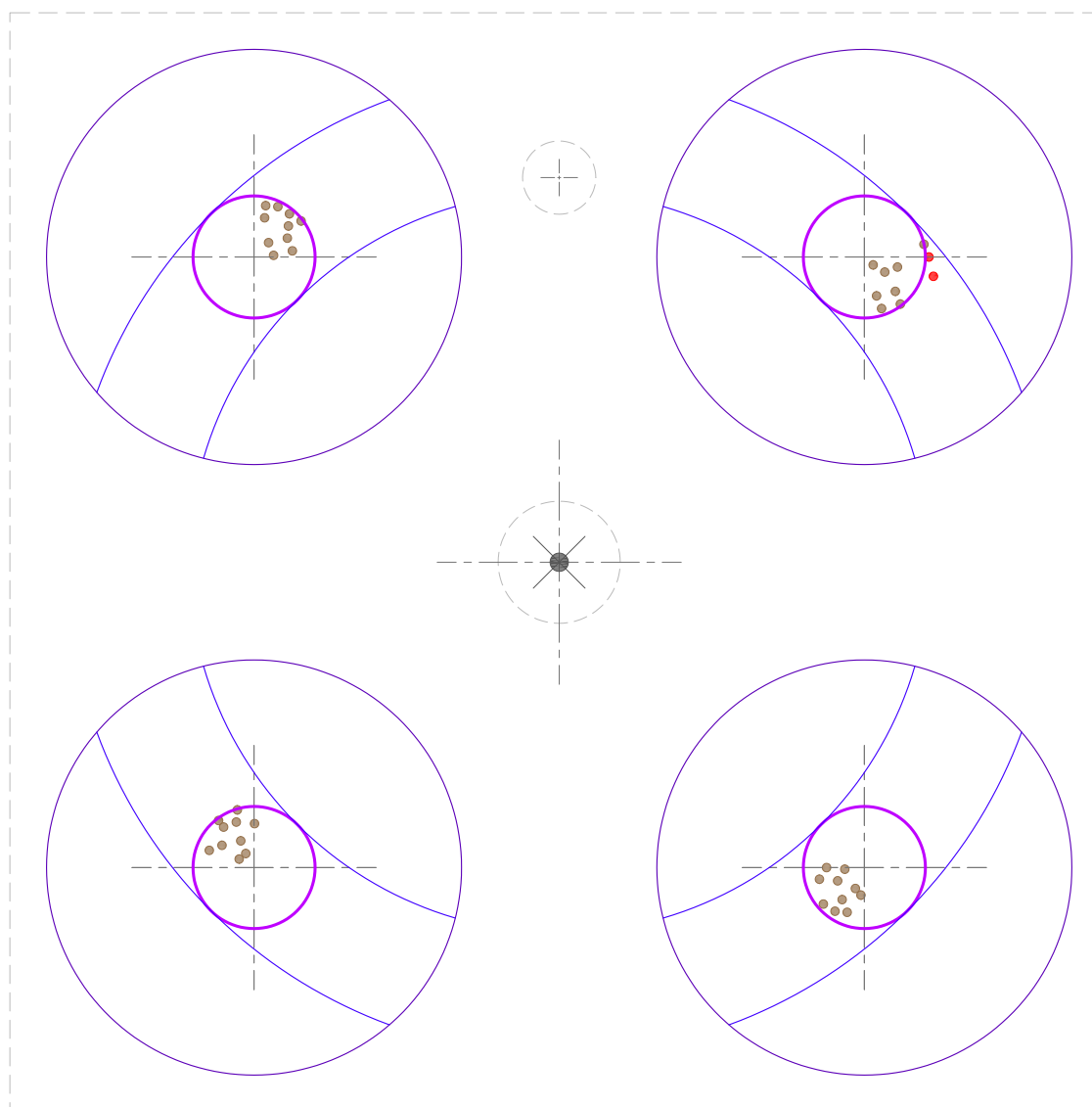
Scenario #1

Translation X=0

Translation Y=0

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

-  fixed tolerance gage
-  translatory tolerance gage
-  centerpoints out of tolerance



Actual values

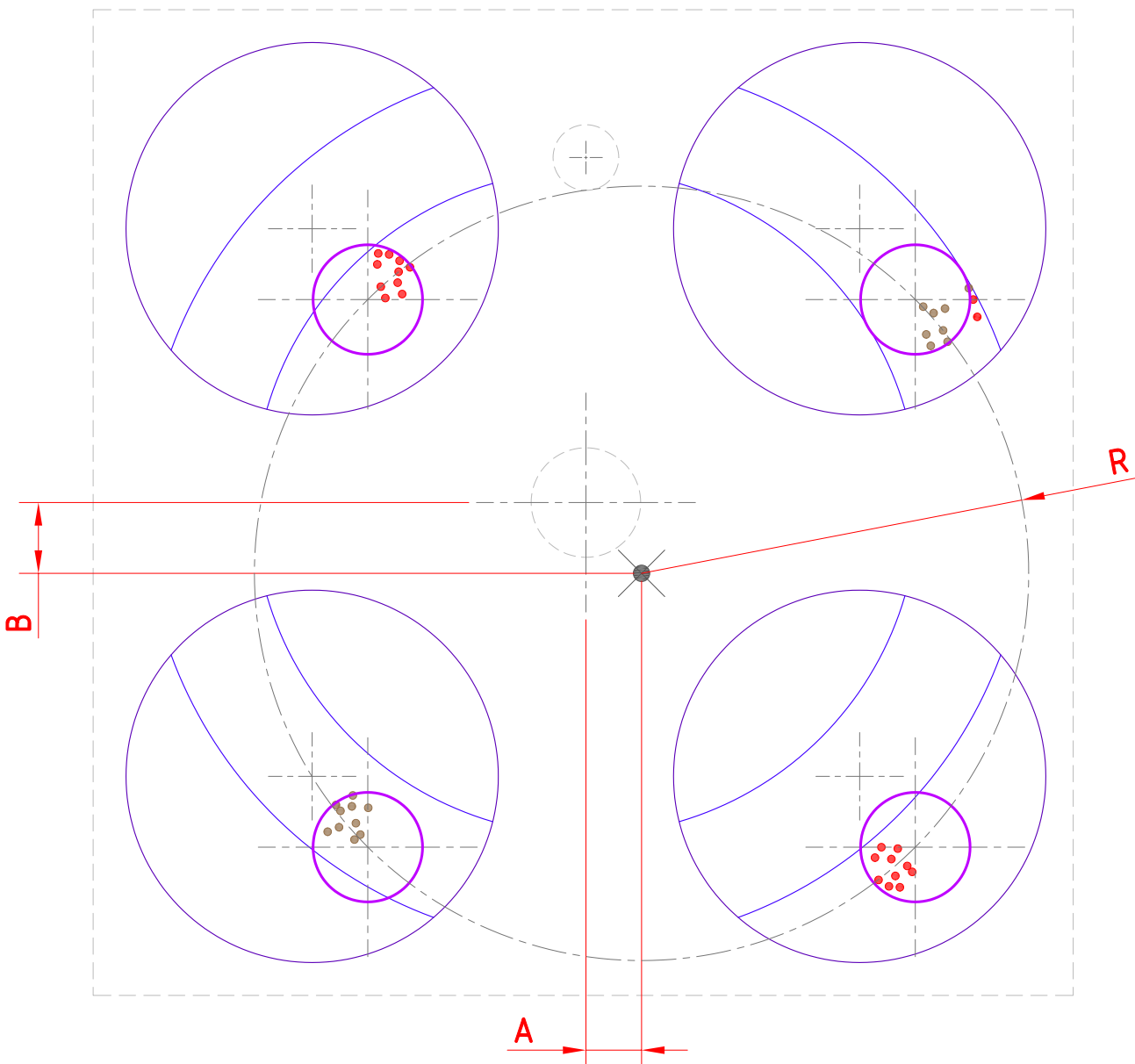
Scenario #2

Translation X=value A
Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

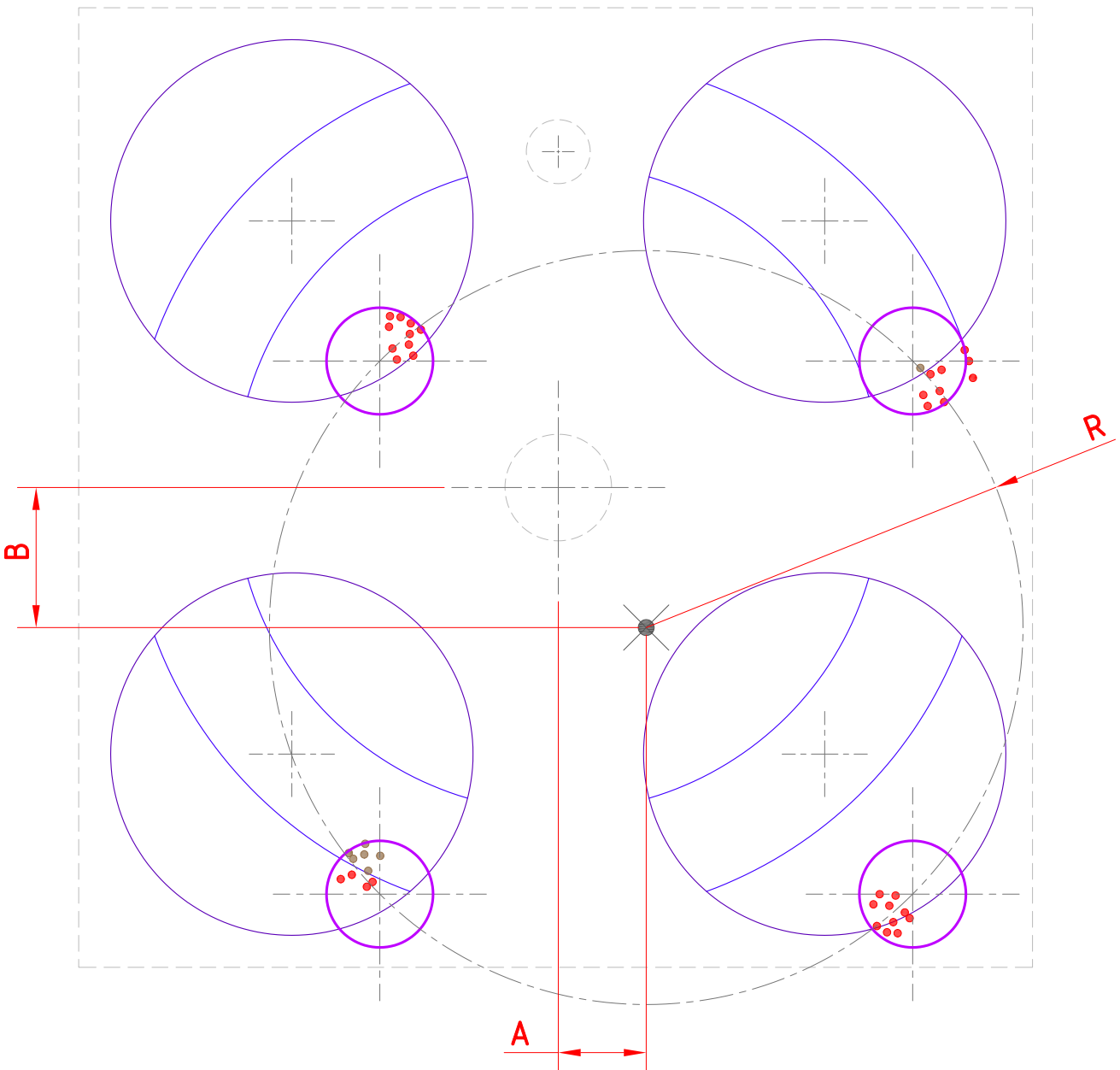
⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

Scenario #3

Translation X=value A
Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

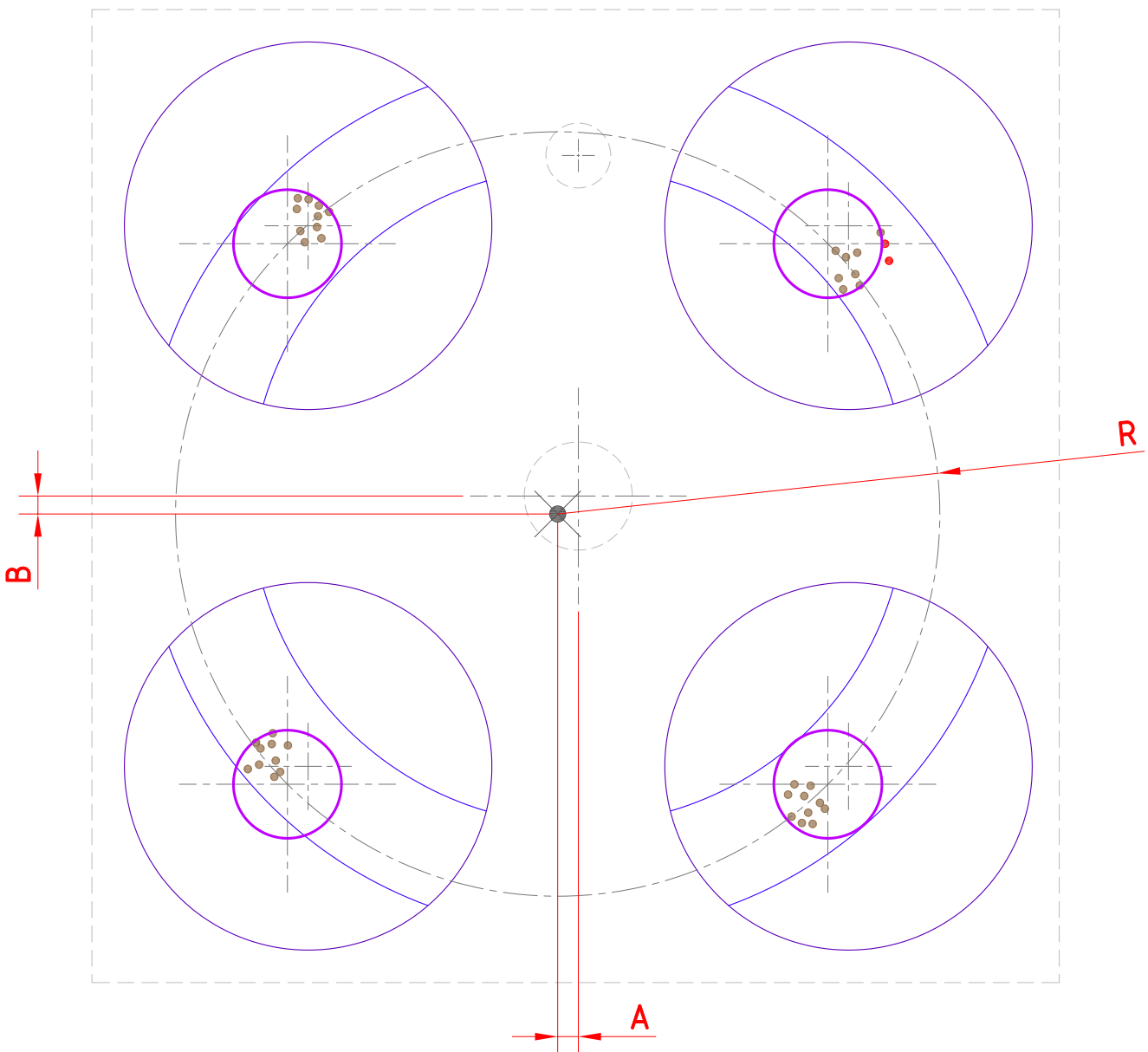
Scenario #4

Translation X=value A
Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

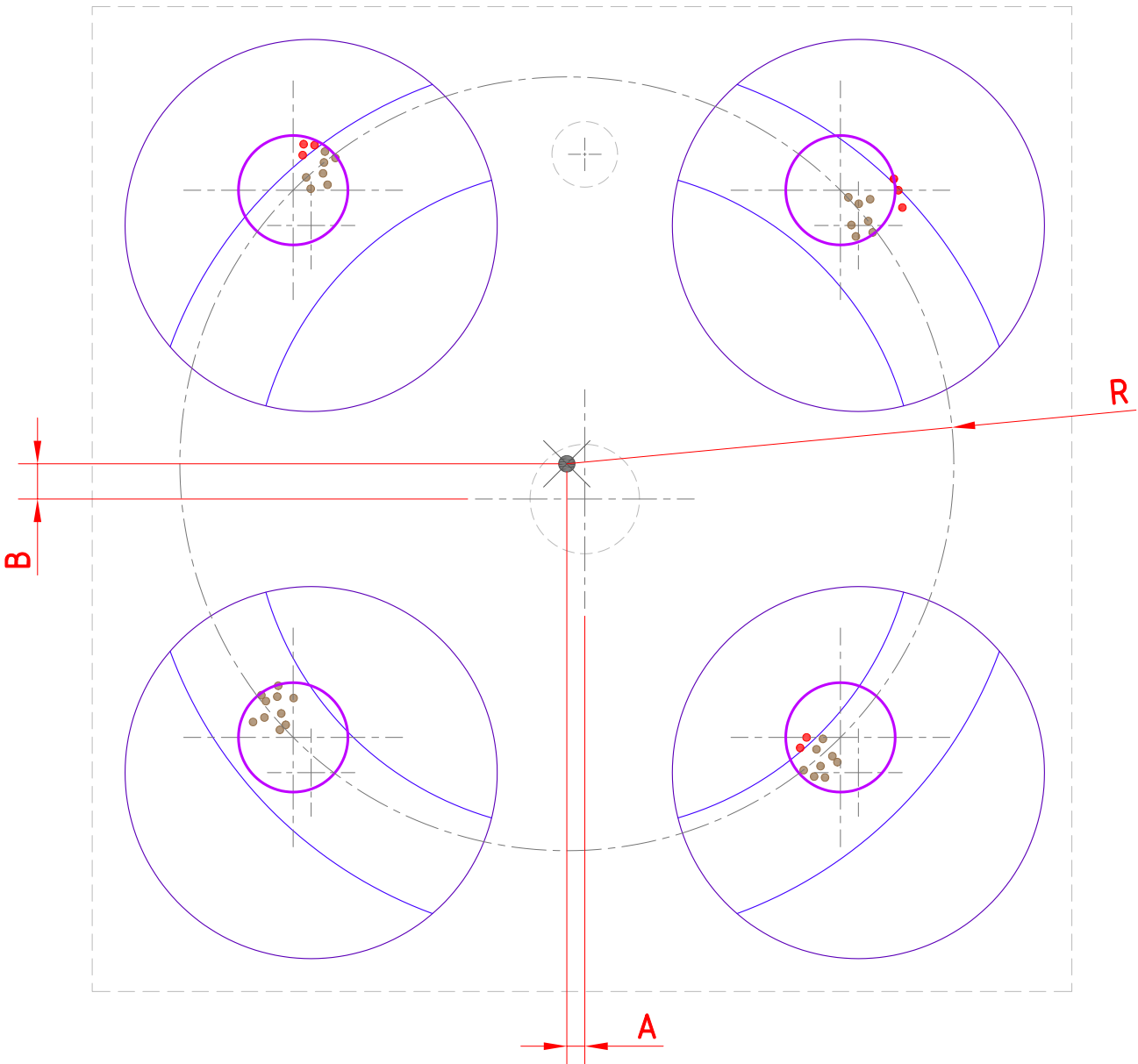
⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

Scenario #5

Translation X=value A
Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

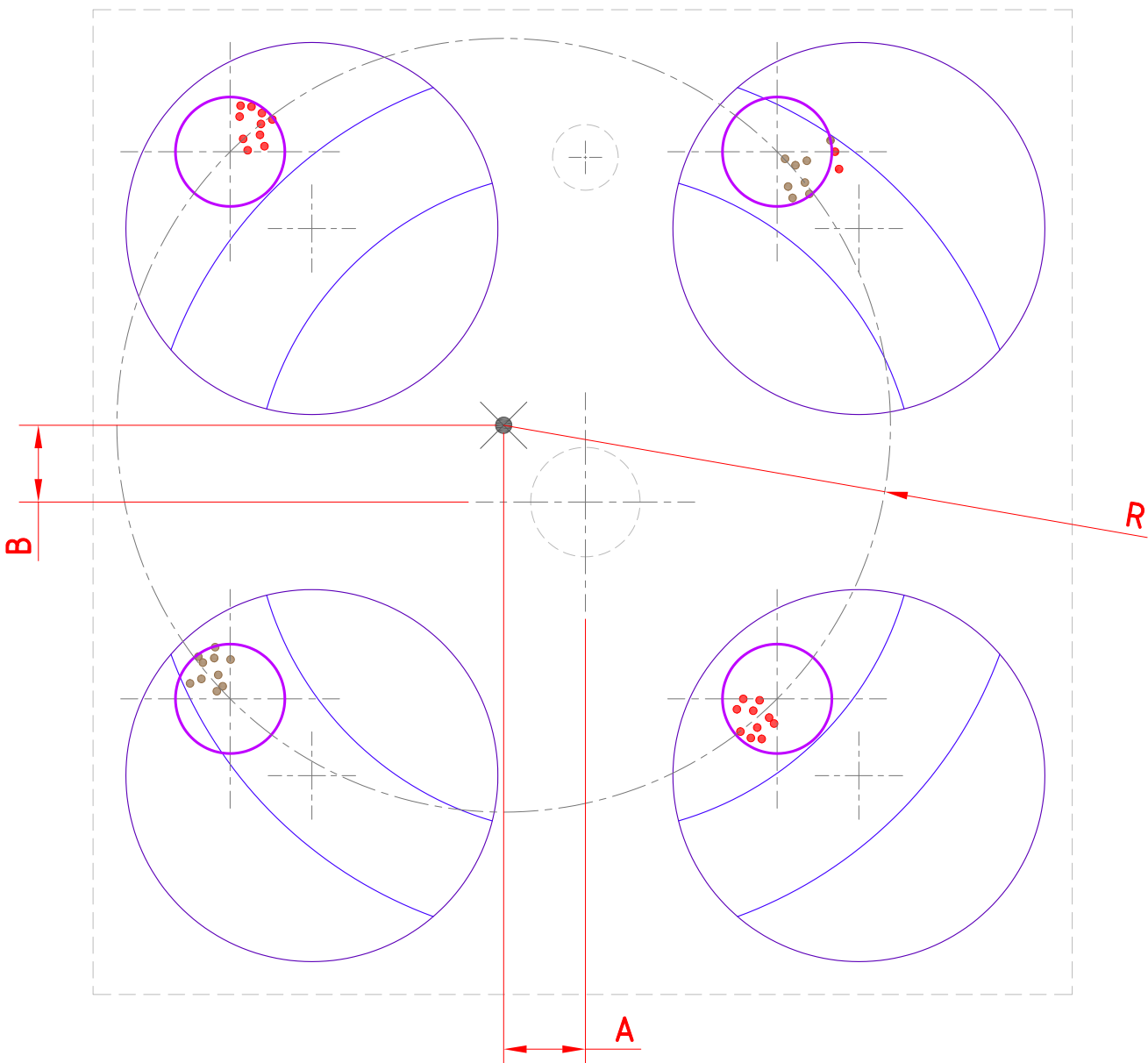
⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

Scenario #6

Translation X=value A
Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

Scenario #7

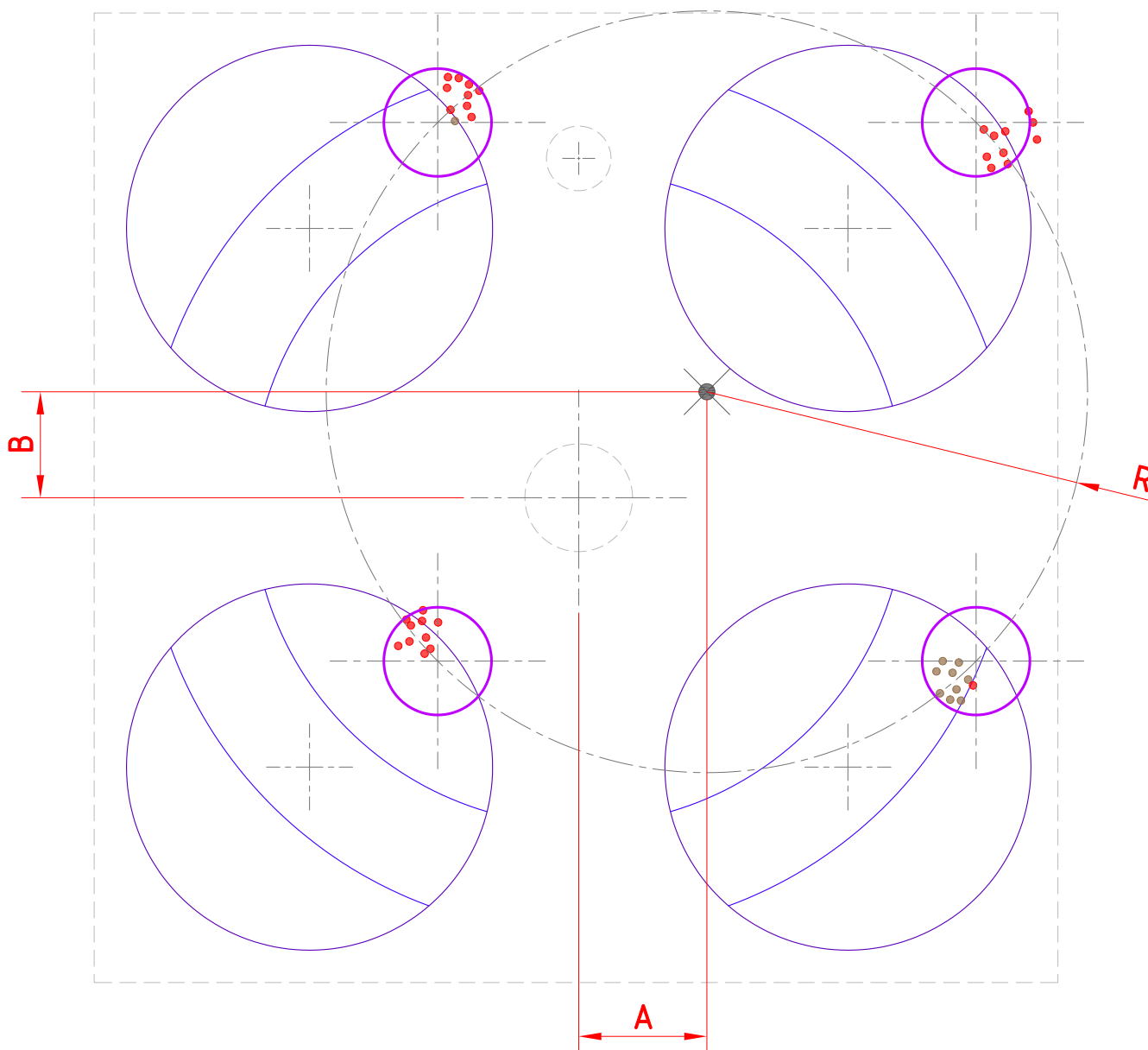
Translation X=value A

Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

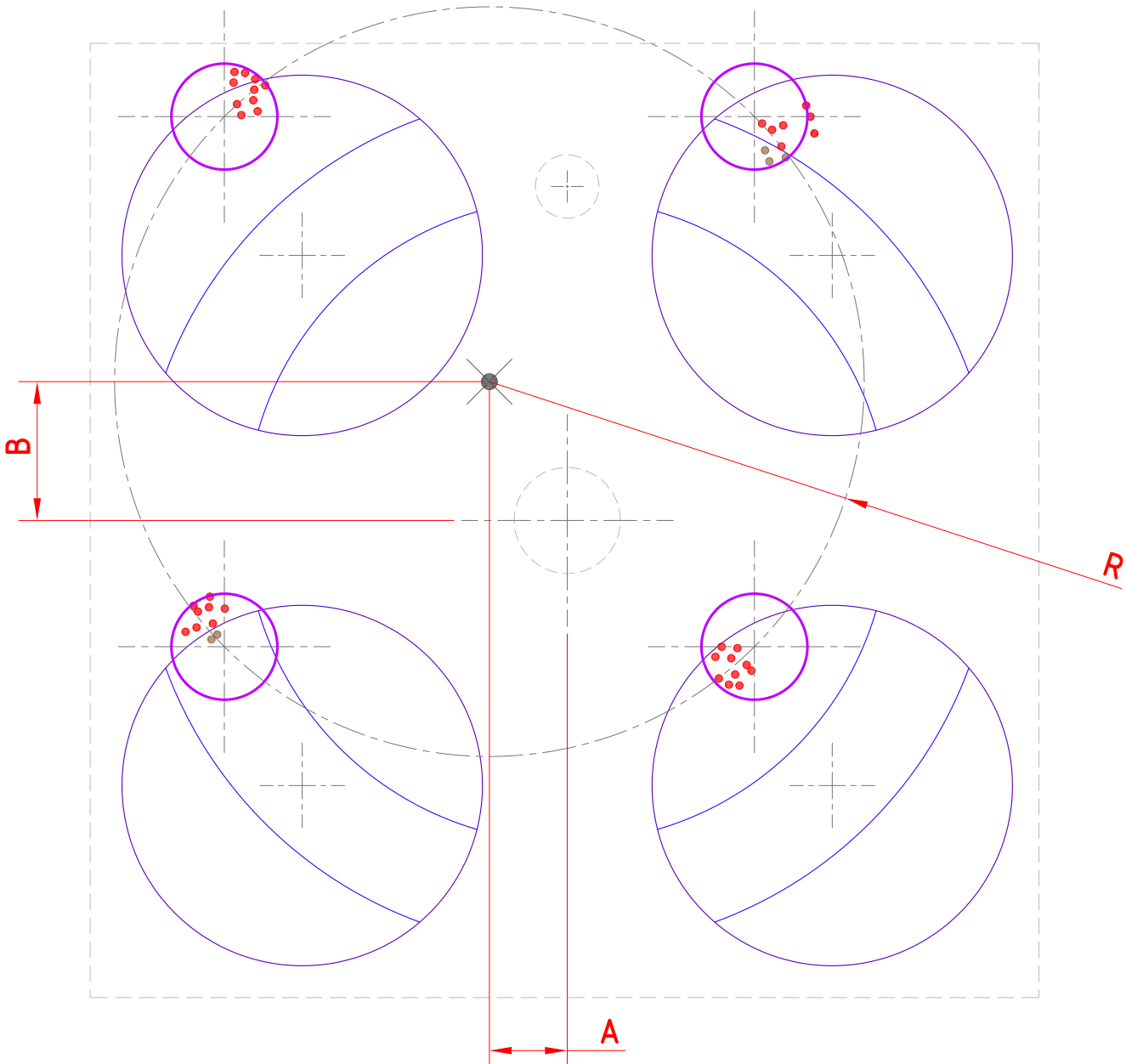
⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

Scenario #8

Translation X=value A
Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance

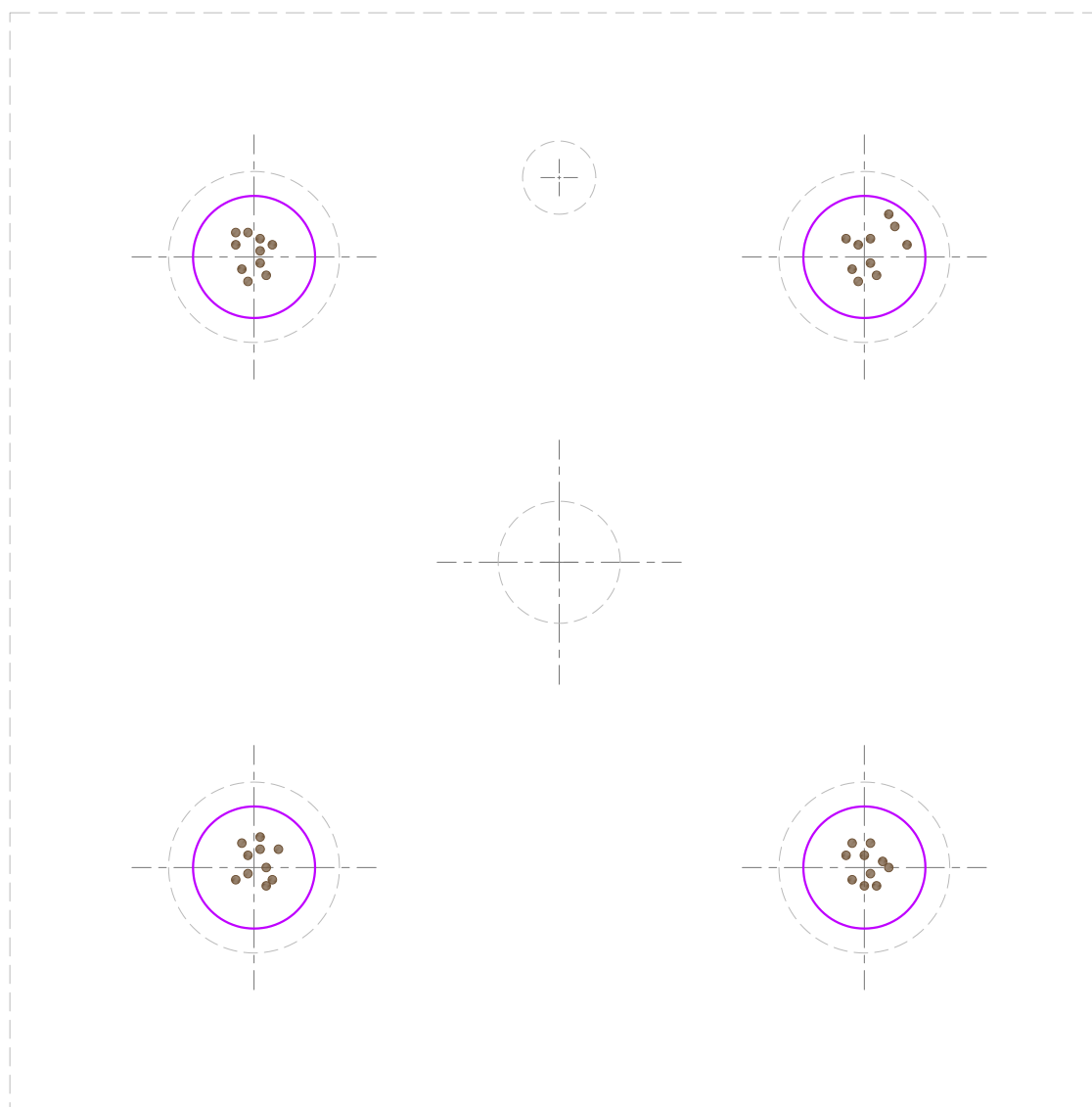


Actual values

After translatory and rotatory fit

\oplus	$\varnothing 2.00 (M)$	U	E	F
	$\varnothing 0.20 (M)$	U	E	F
\oplus	$\varnothing 0.20 (M)$	U	E	

\oplus	$\varnothing 2.00 (M)$	U	E	F
	$\varnothing 0.20 (M)$	U		
\oplus	$\varnothing 0.20 (M)$	U	E	



Actual values

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

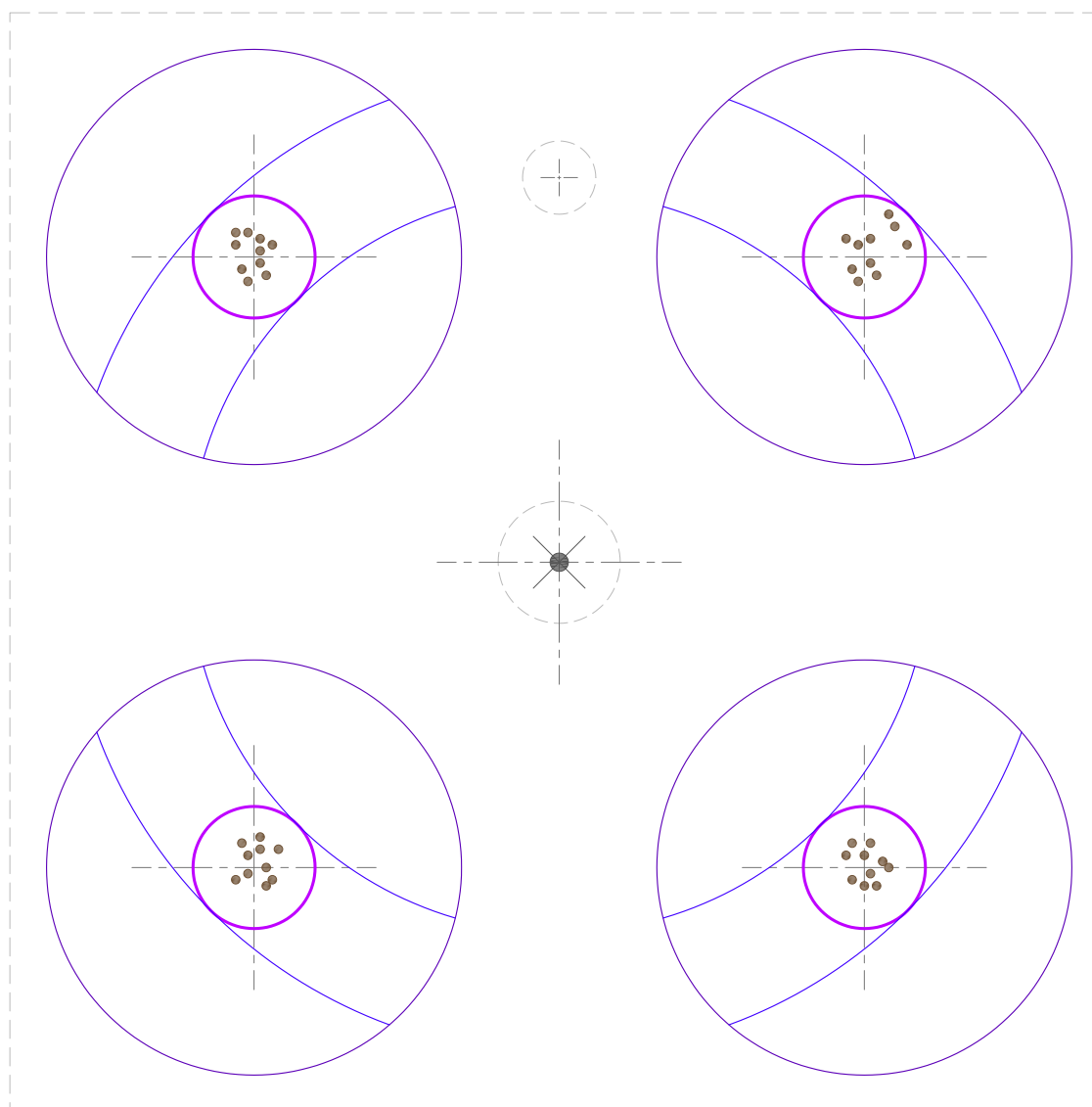
Scenario #1

Translation X=0

Translation Y=0

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

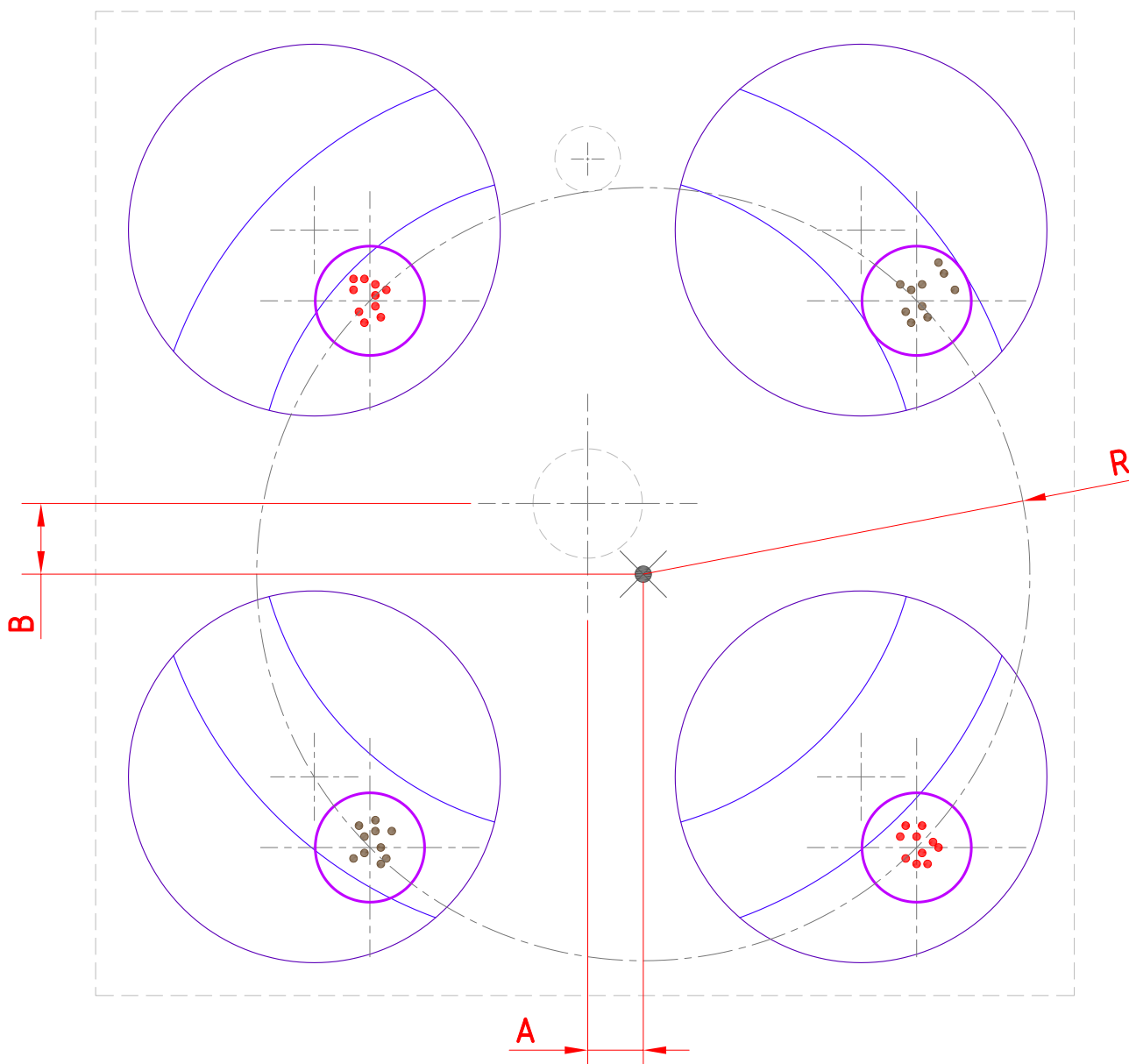
Scenario #2

Translation X=value A

Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

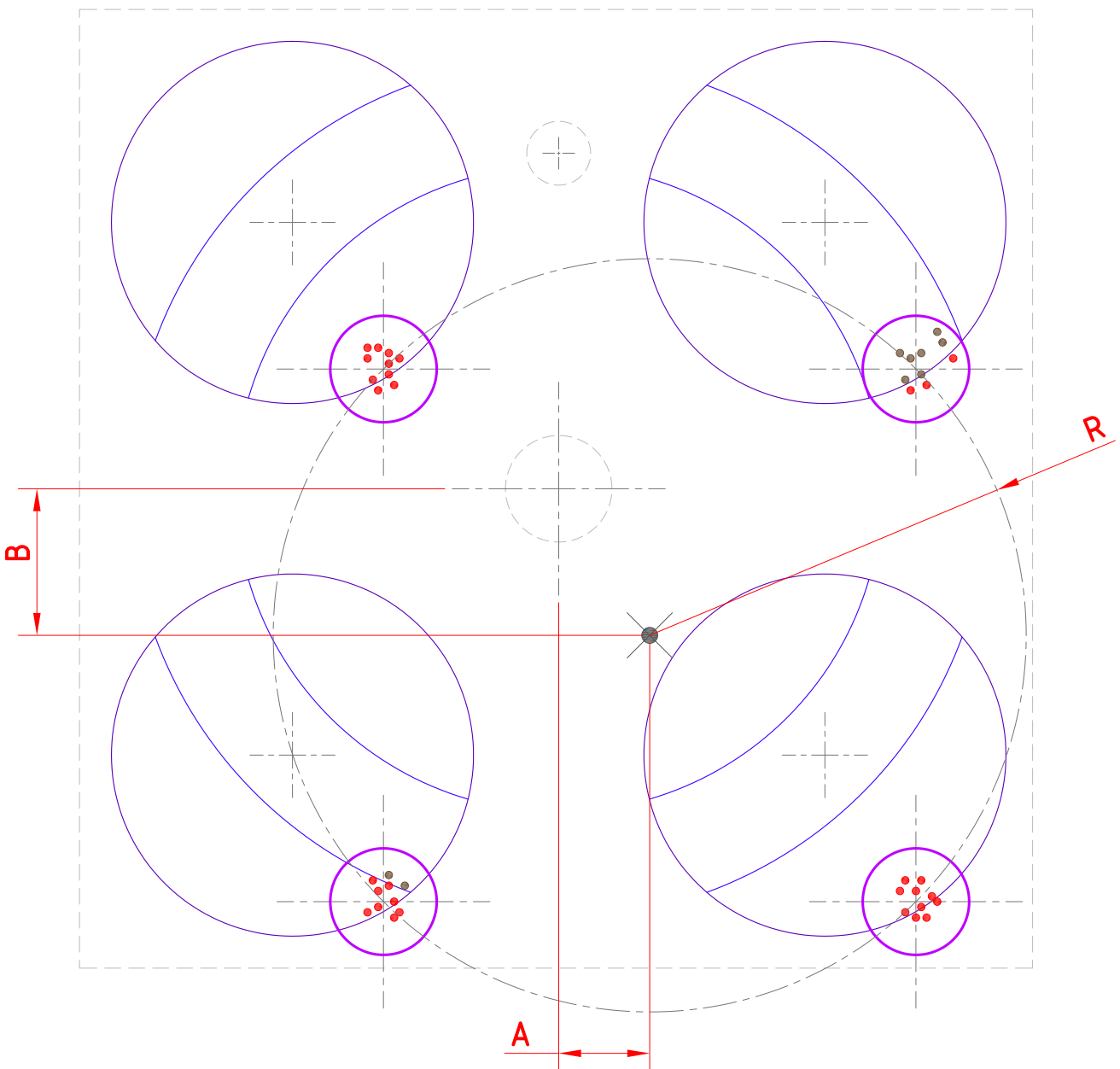
⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

Scenario #3

Translation X=value A
Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

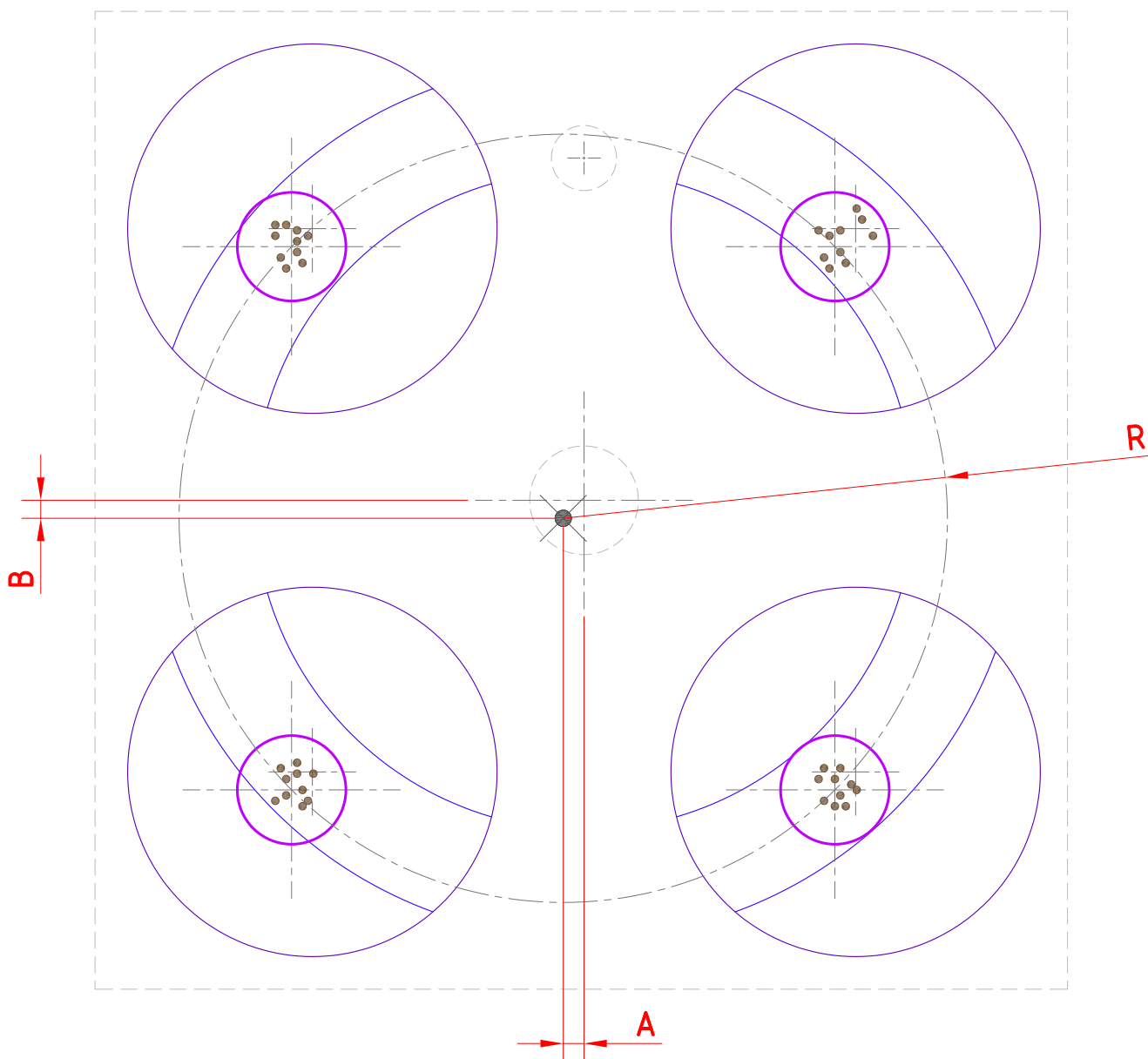
Scenario #4

Translation X=value A

Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

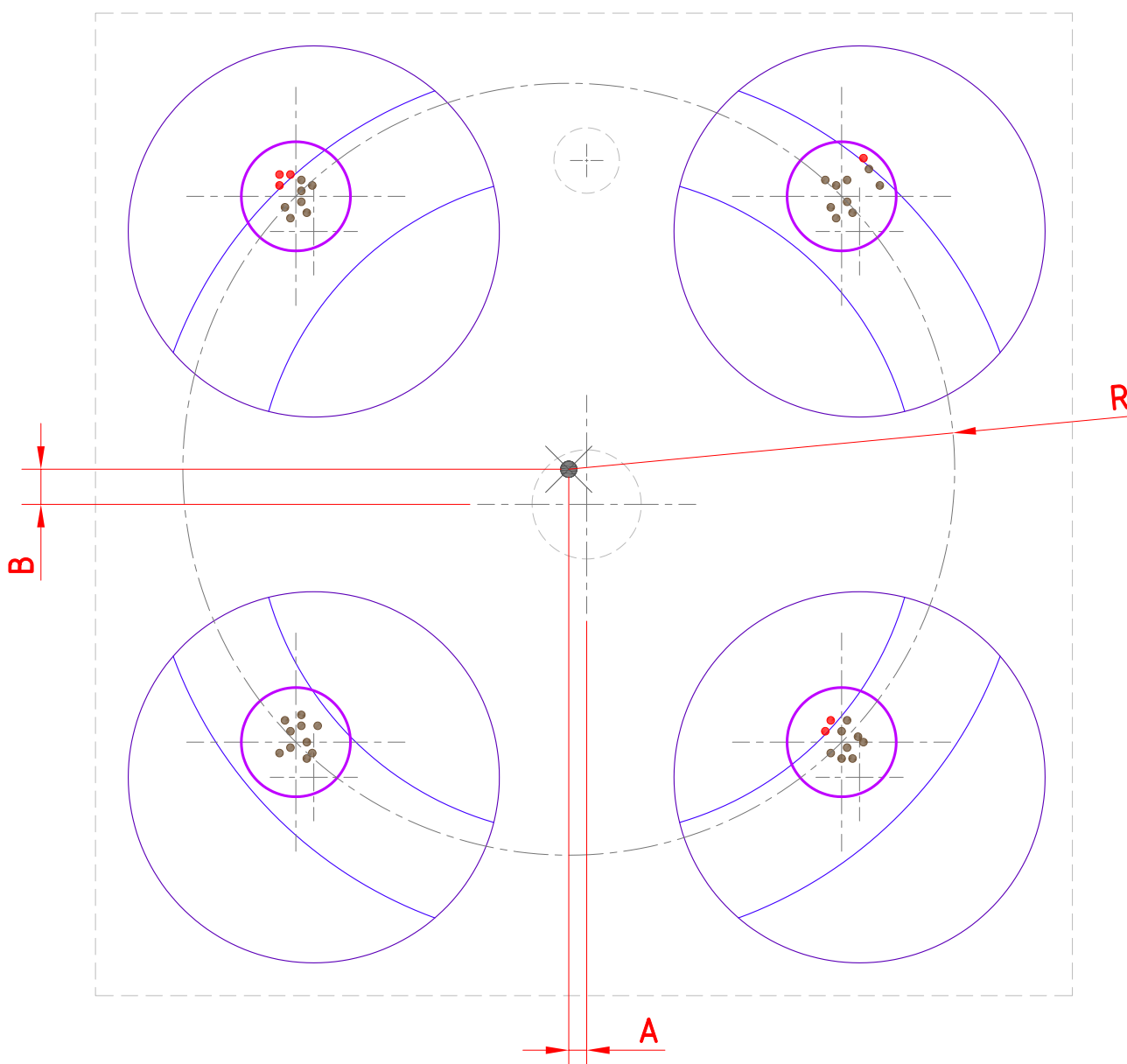
Scenario #5

Translation X=value A

Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

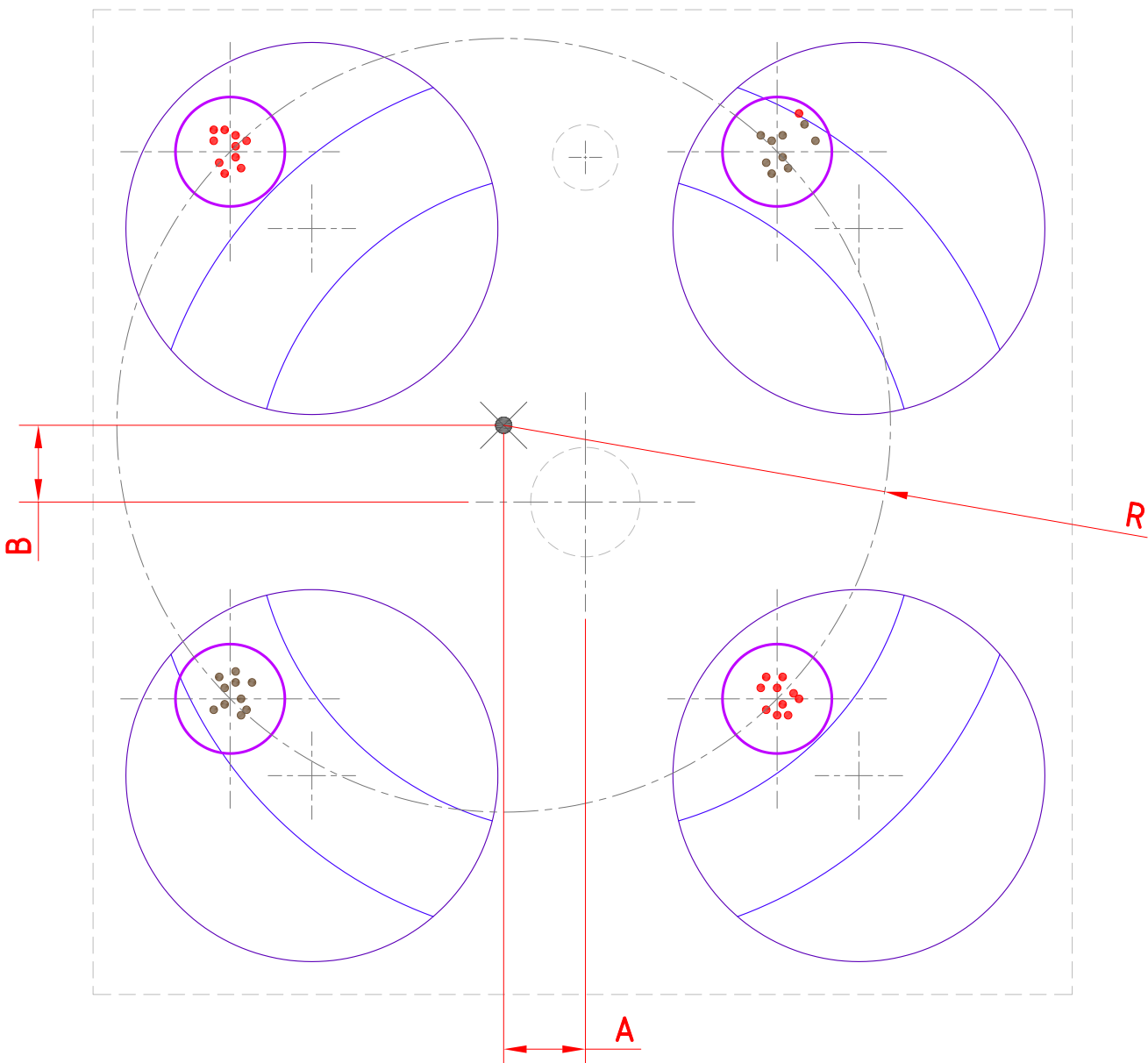
⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

Scenario #6

Translation X=value A
Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

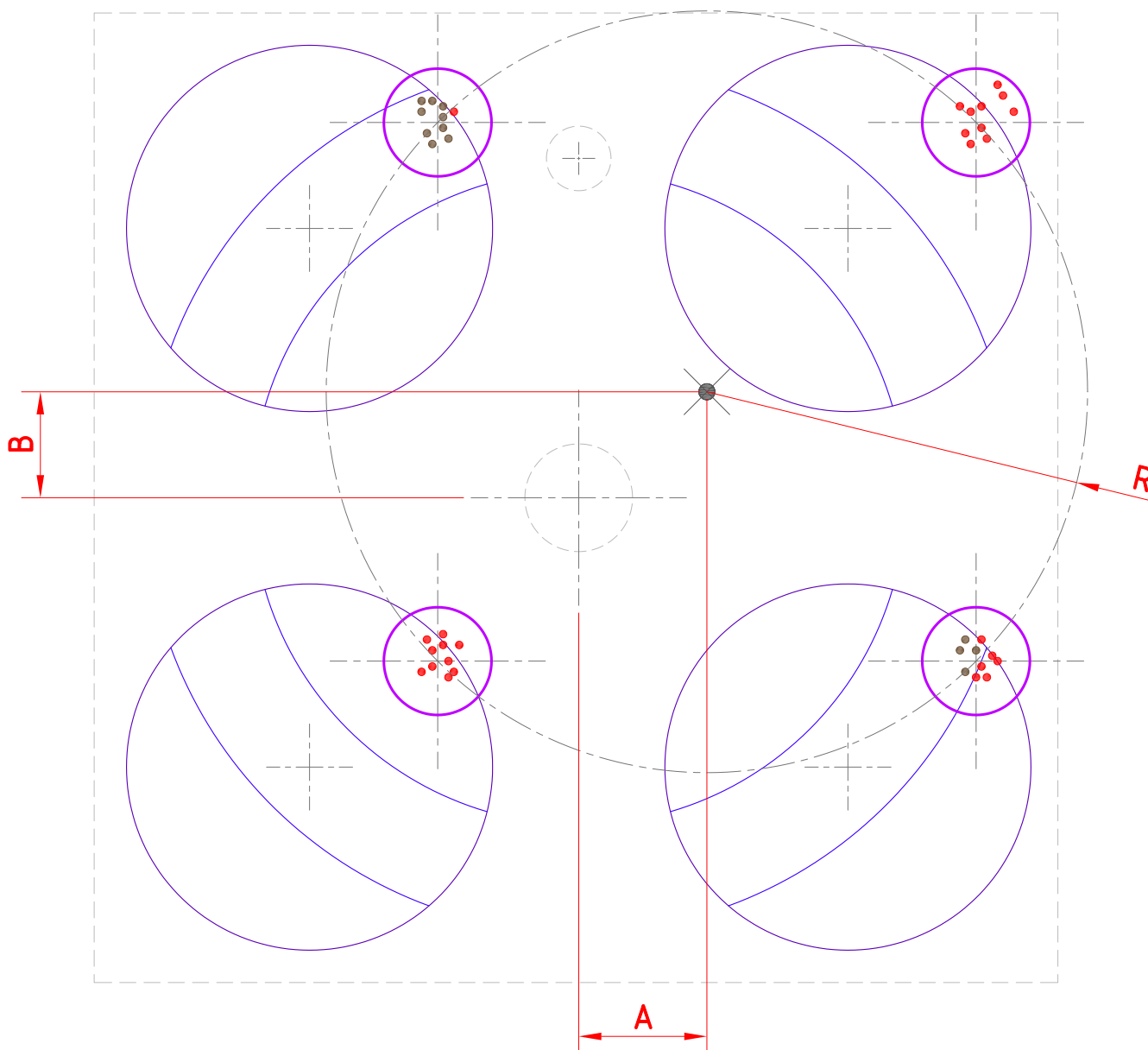
Scenario #7

Translation X=value A

Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance



Actual values

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U	E	F
⊕	∅0.20 (M)	U	E	

Scenario #8

Translation X=value A

Translation Y=value B

⊕	∅2.00 (M)	U	E	F
	∅0.20 (M)	U		
⊕	∅0.20 (M)	U	E	

- fixed tolerance gage
- translatory tolerance gage
- centerpoints out of tolerance

