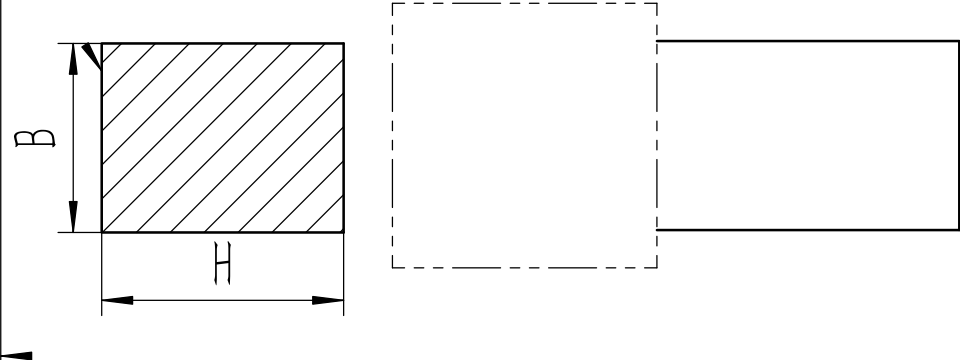
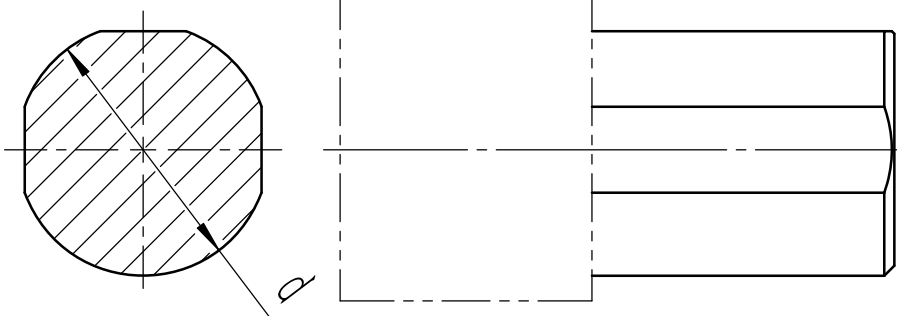
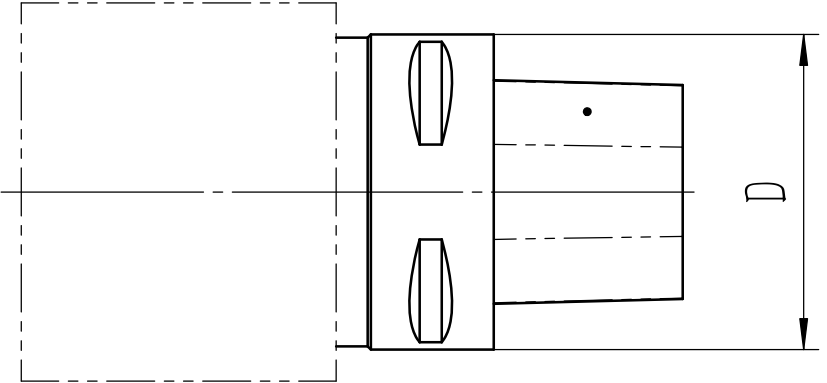
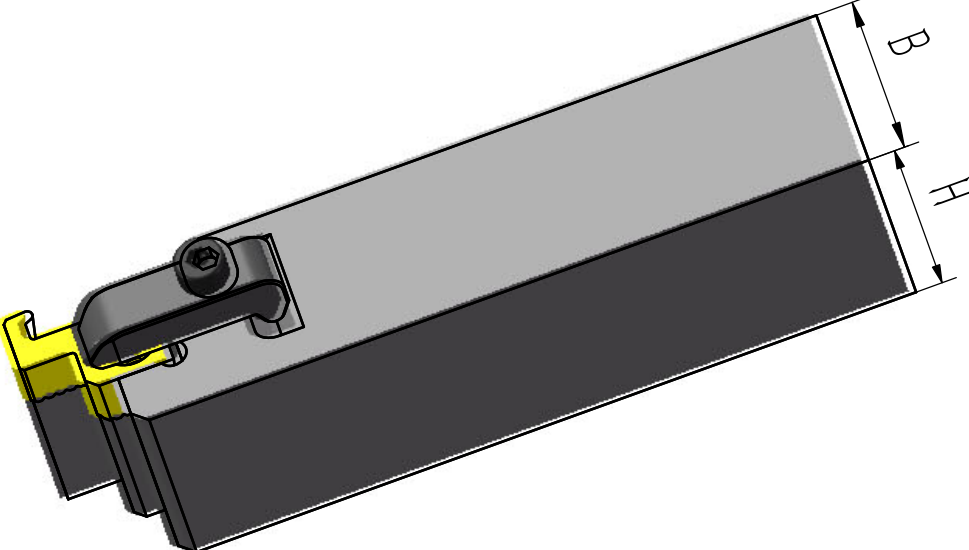
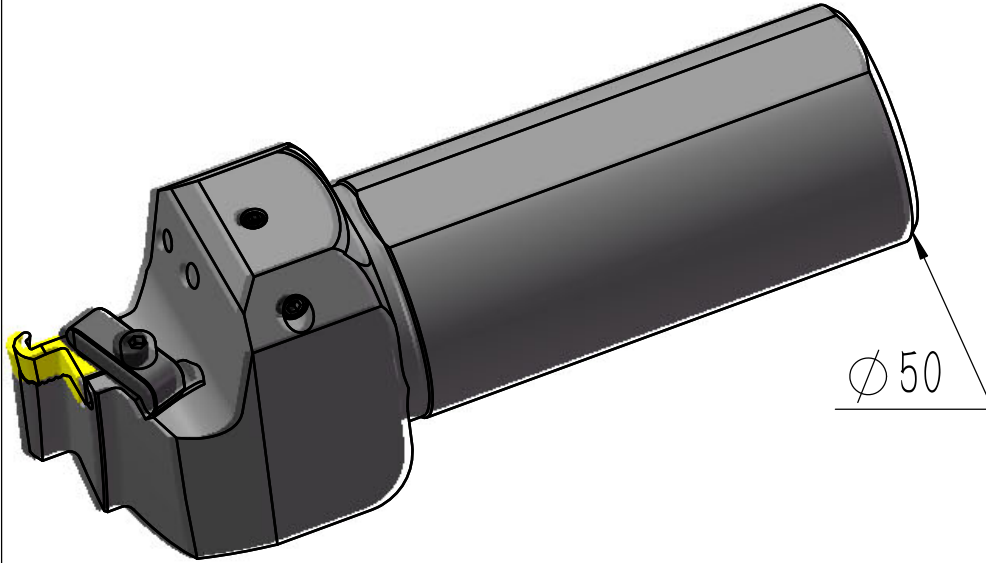
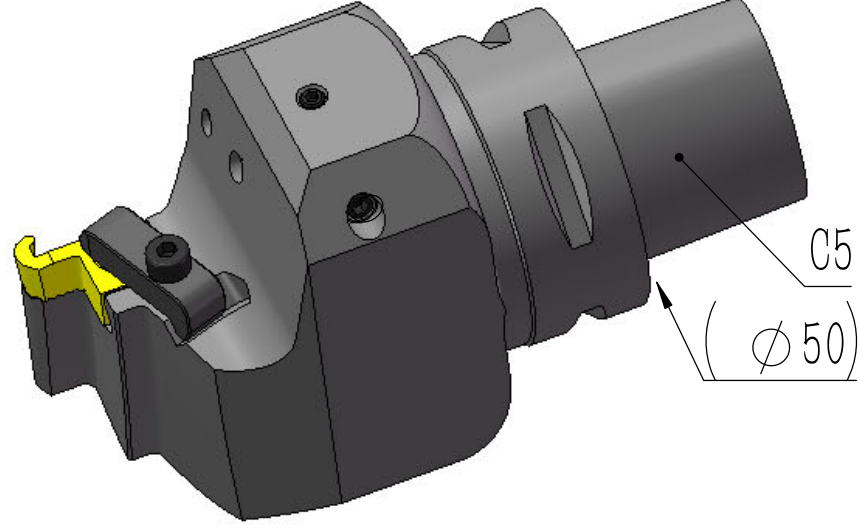
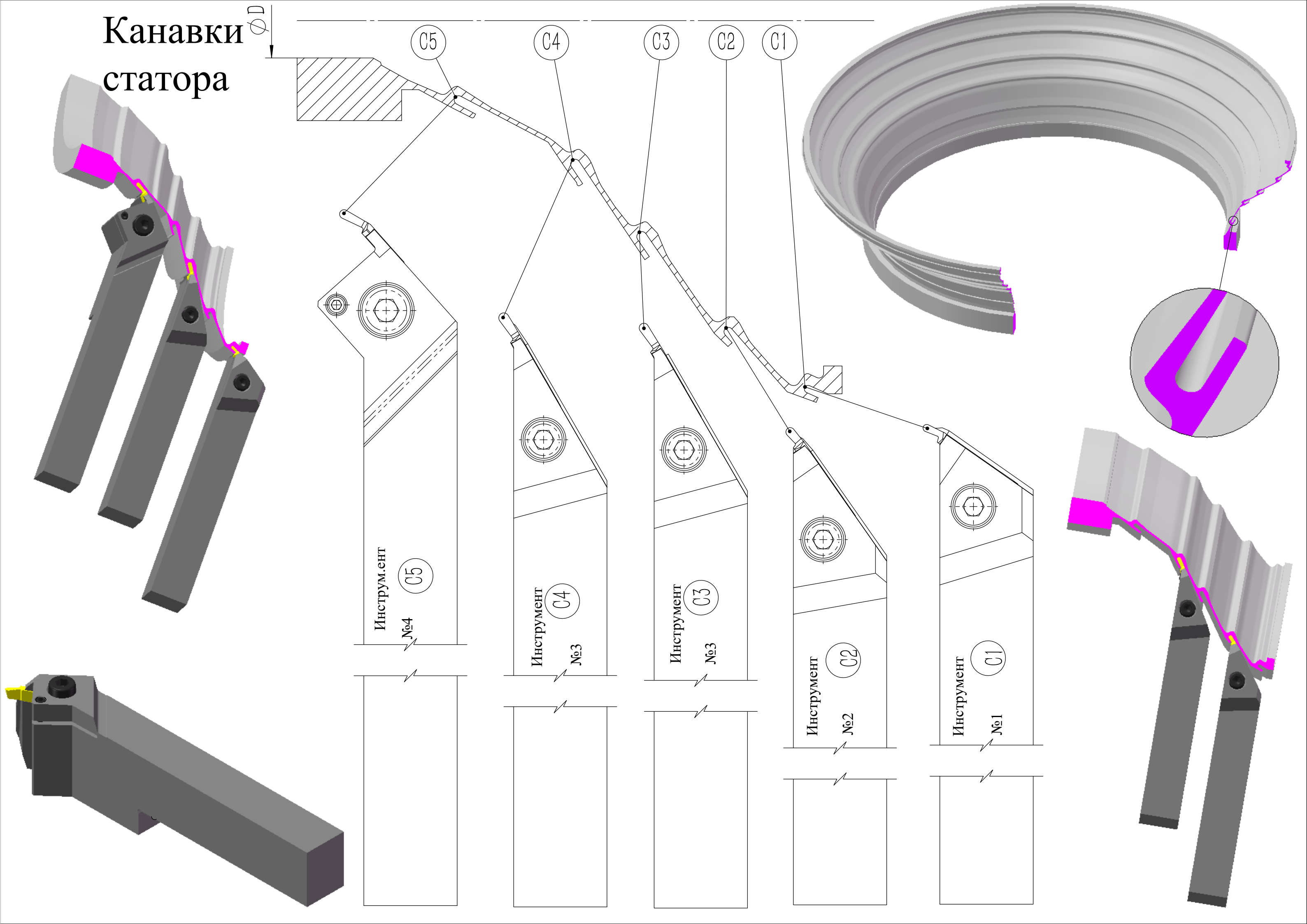


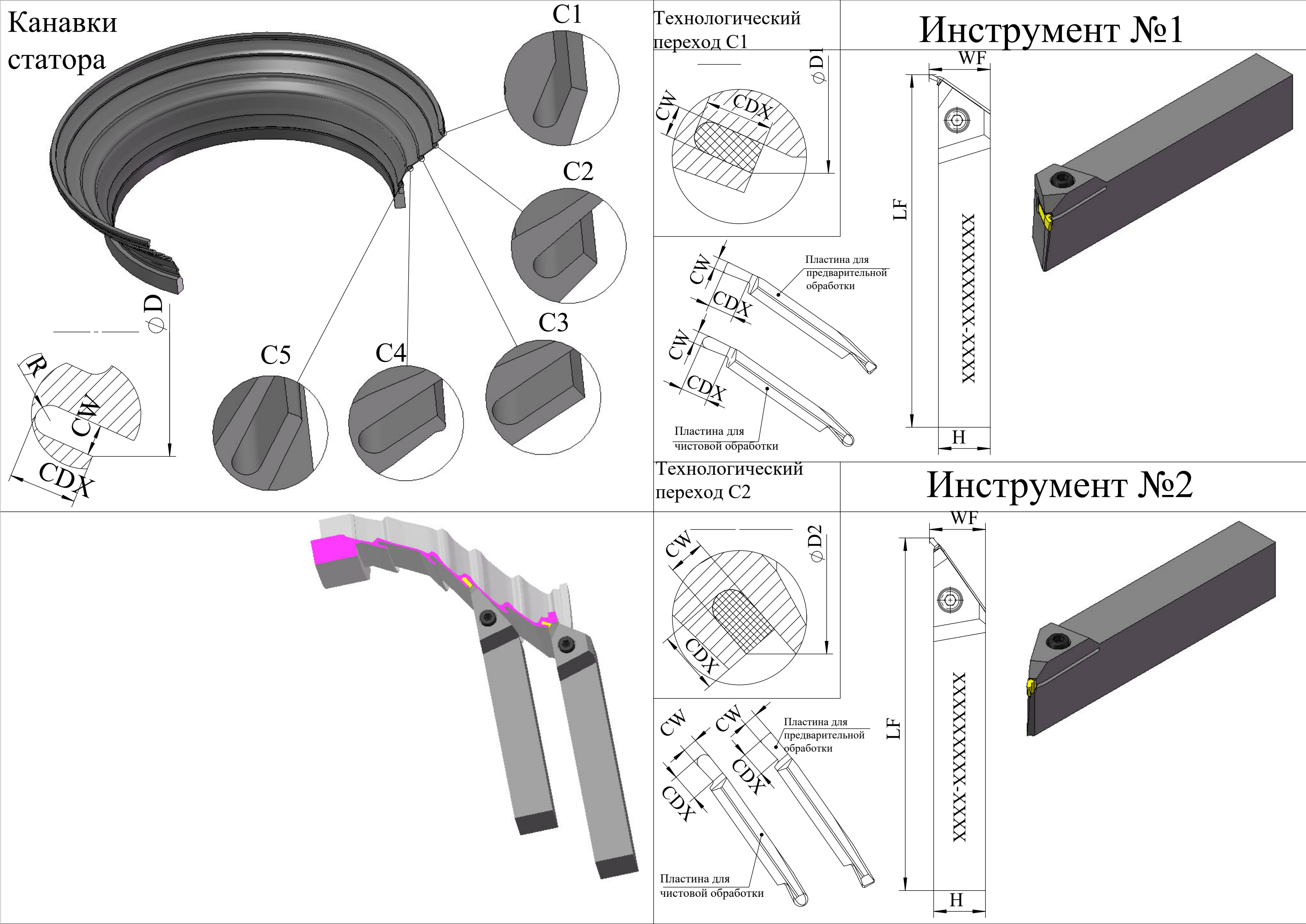
Специальные инструментальные решения для обработки деталей авиационных двигателей.

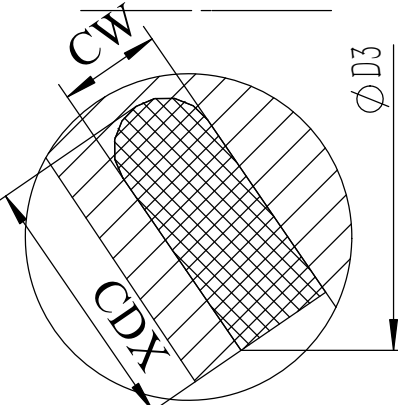
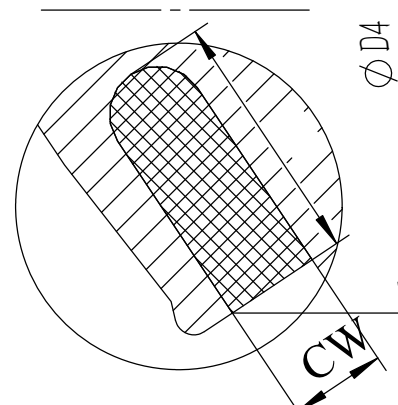
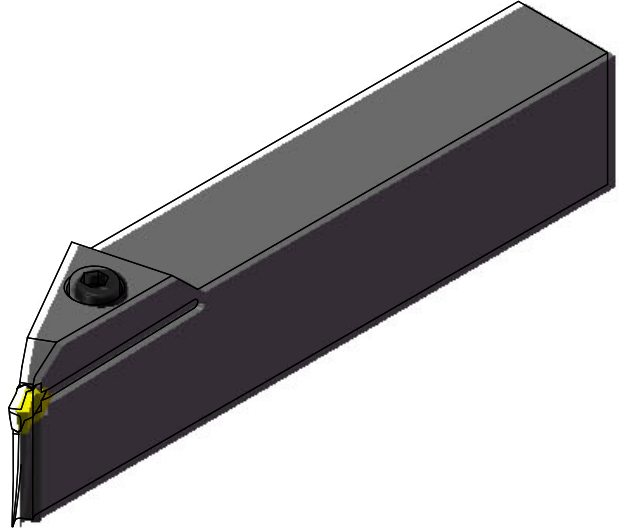
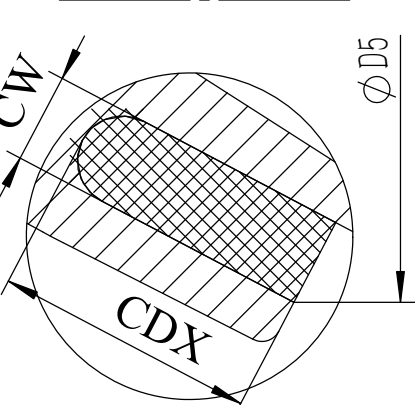
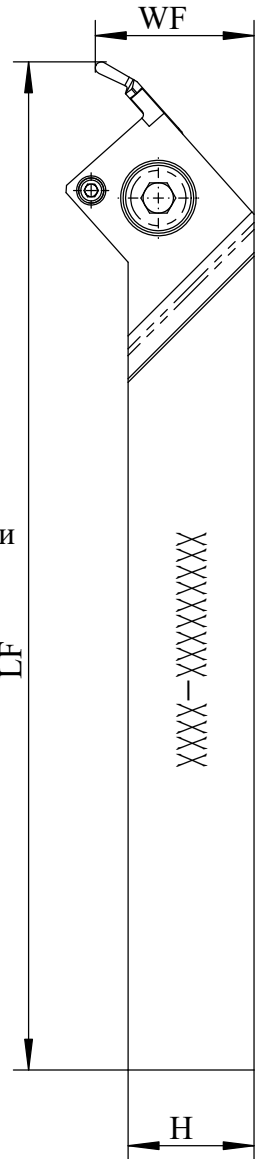
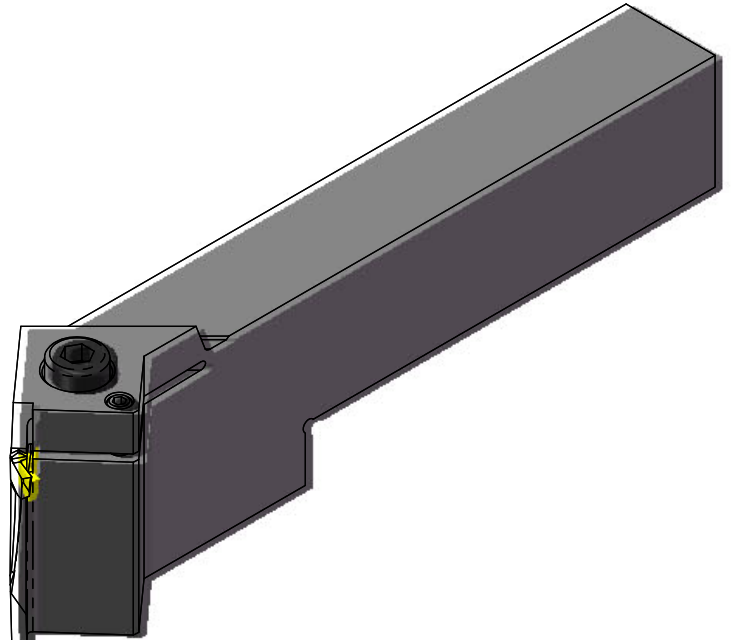
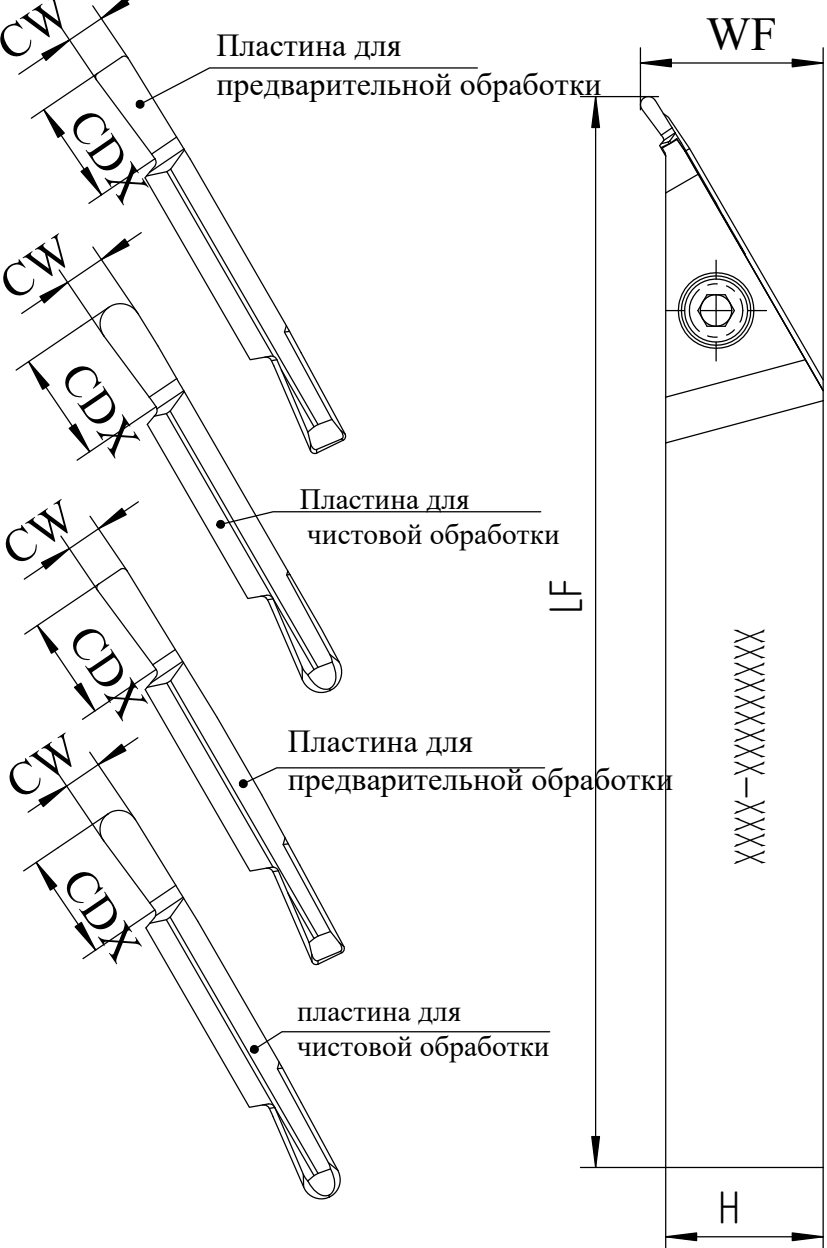
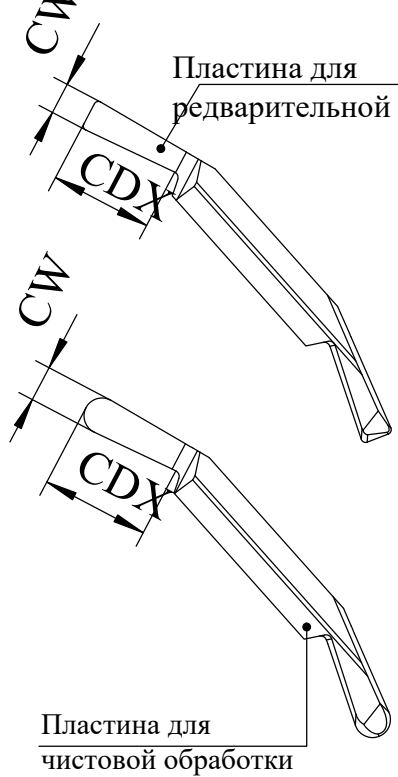
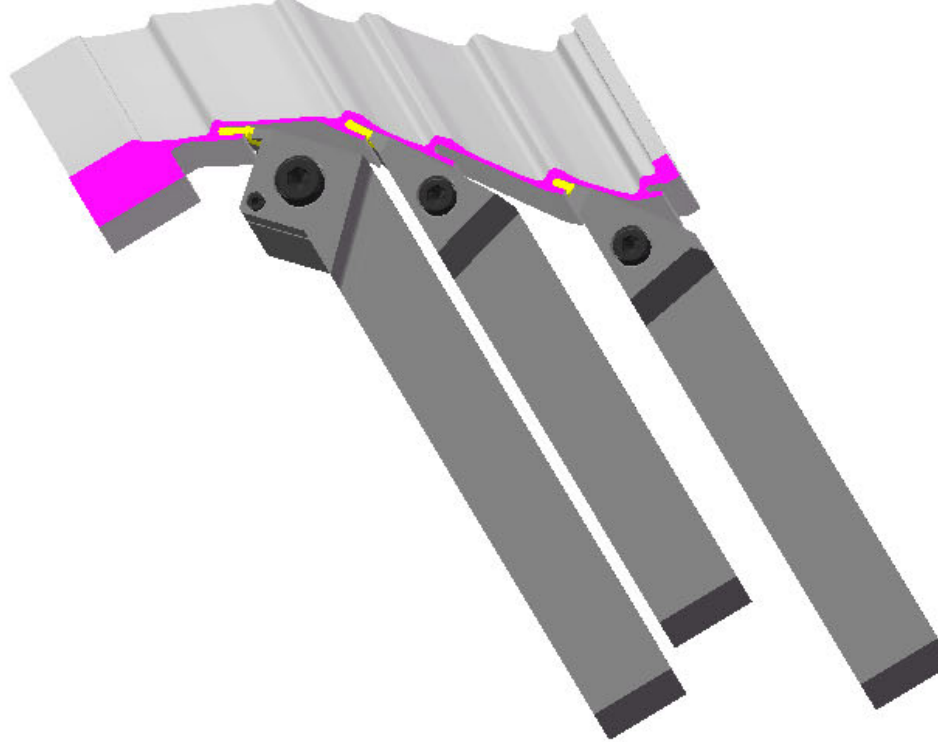
Выбор резцедержателя

Тип	Призматическая державка (Н × В)				Цилиндрическая оправка				Резцовая головка Carro	
Эскиз										
Размеры хвостовика	Н × В	16 × 16	20 × 20	20 × 16	d	∅ 16	∅ 20	∅ 25	C3=32 C4=40	
		25 × 25	32 × 32	32 × 25					C5=50	
		25 × 32	40 × 40	40 × 32		∅ 32	∅ 40	∅ 50	C6=63 C8=80	
Пример										

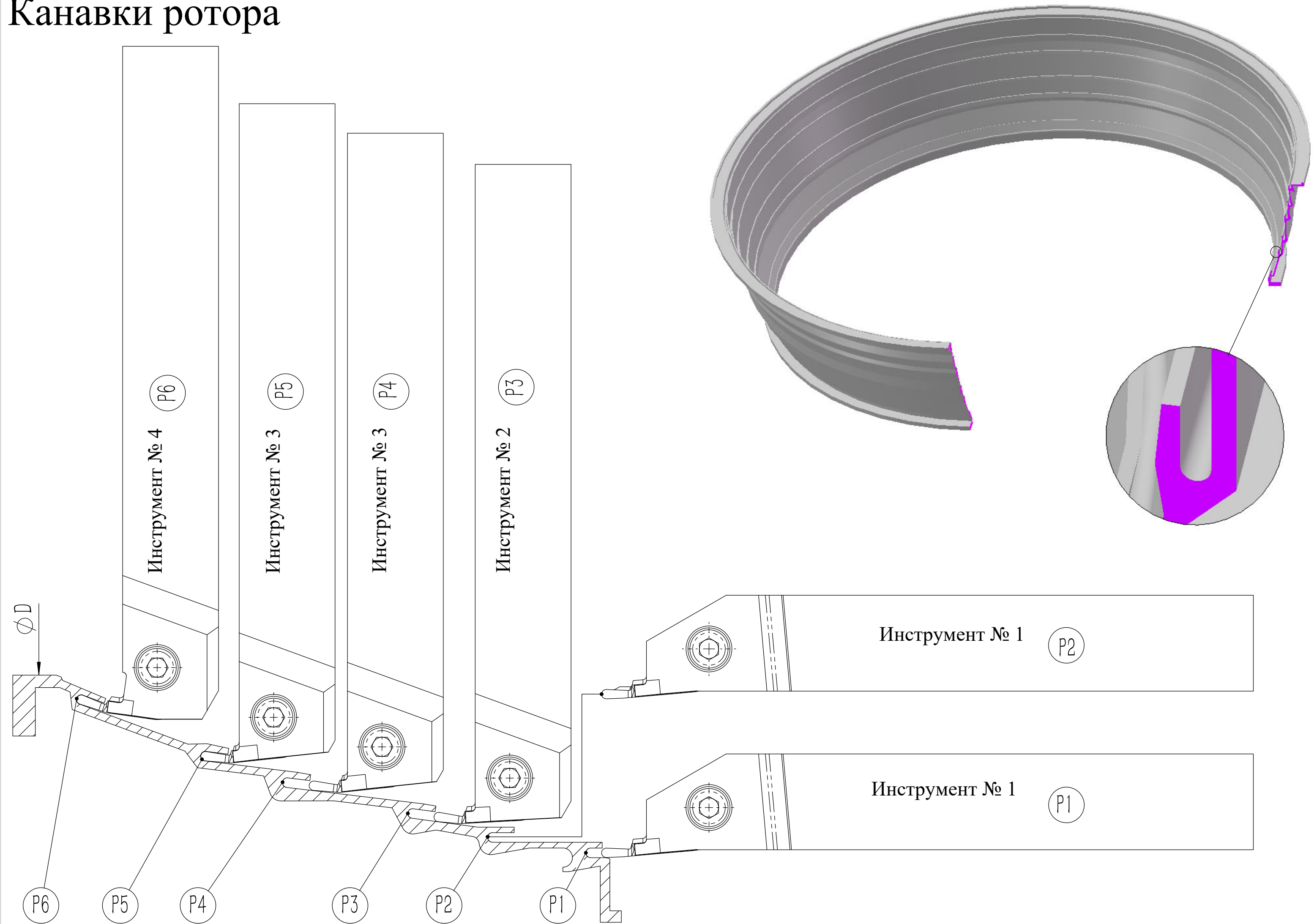
Канавки статора



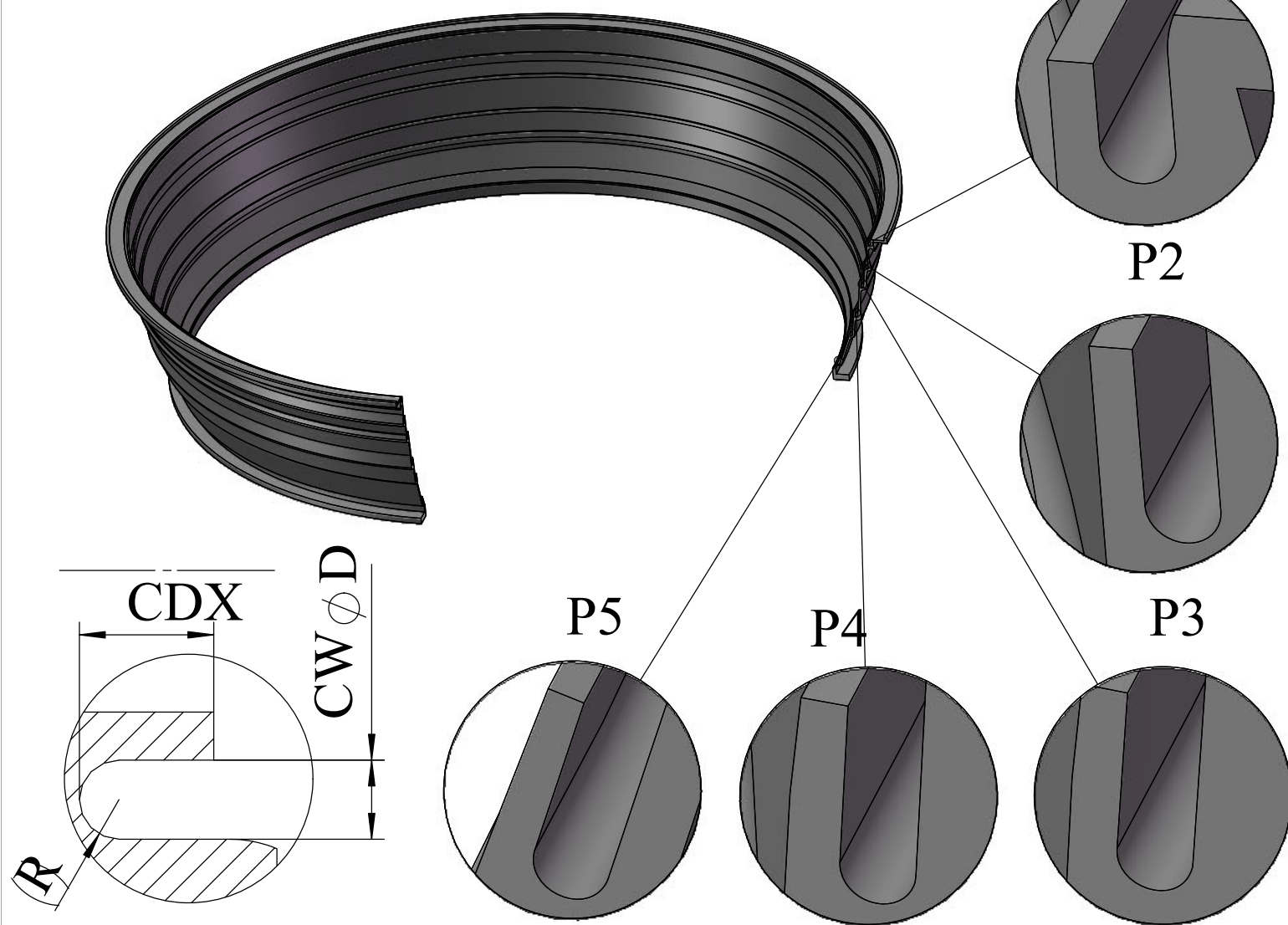


Технологический переход С3	Технологический переход С4	Инструмент №3	Технологический переход С5	Инструмент №4	
					
					

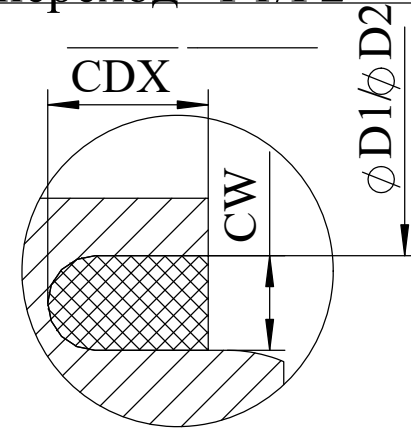
Канавки ротора



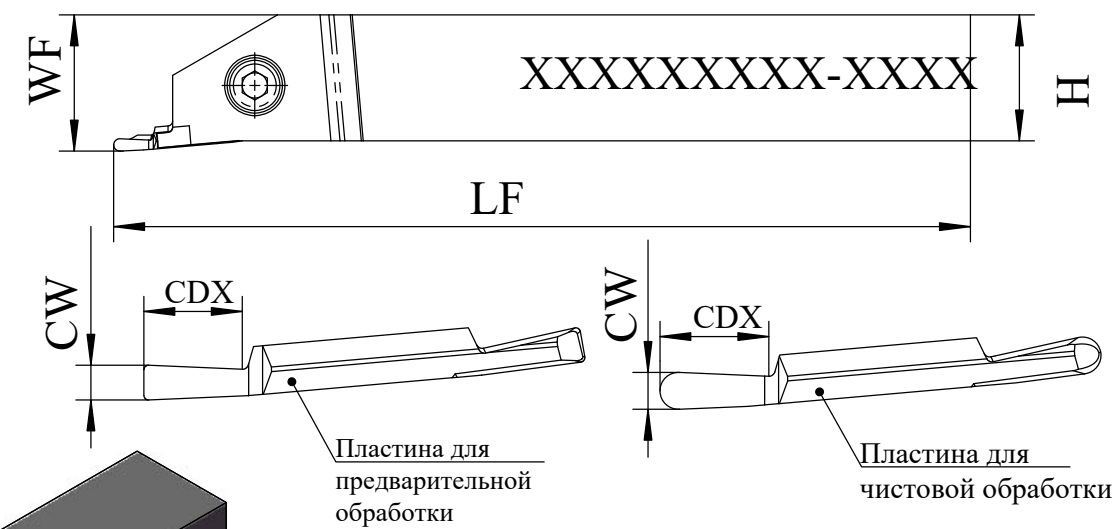
Канавки ротора 1



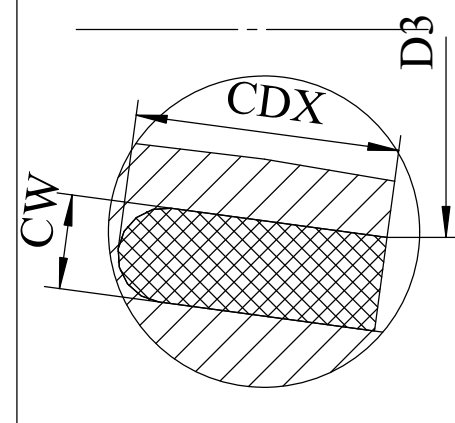
Технологический переход P1/P2



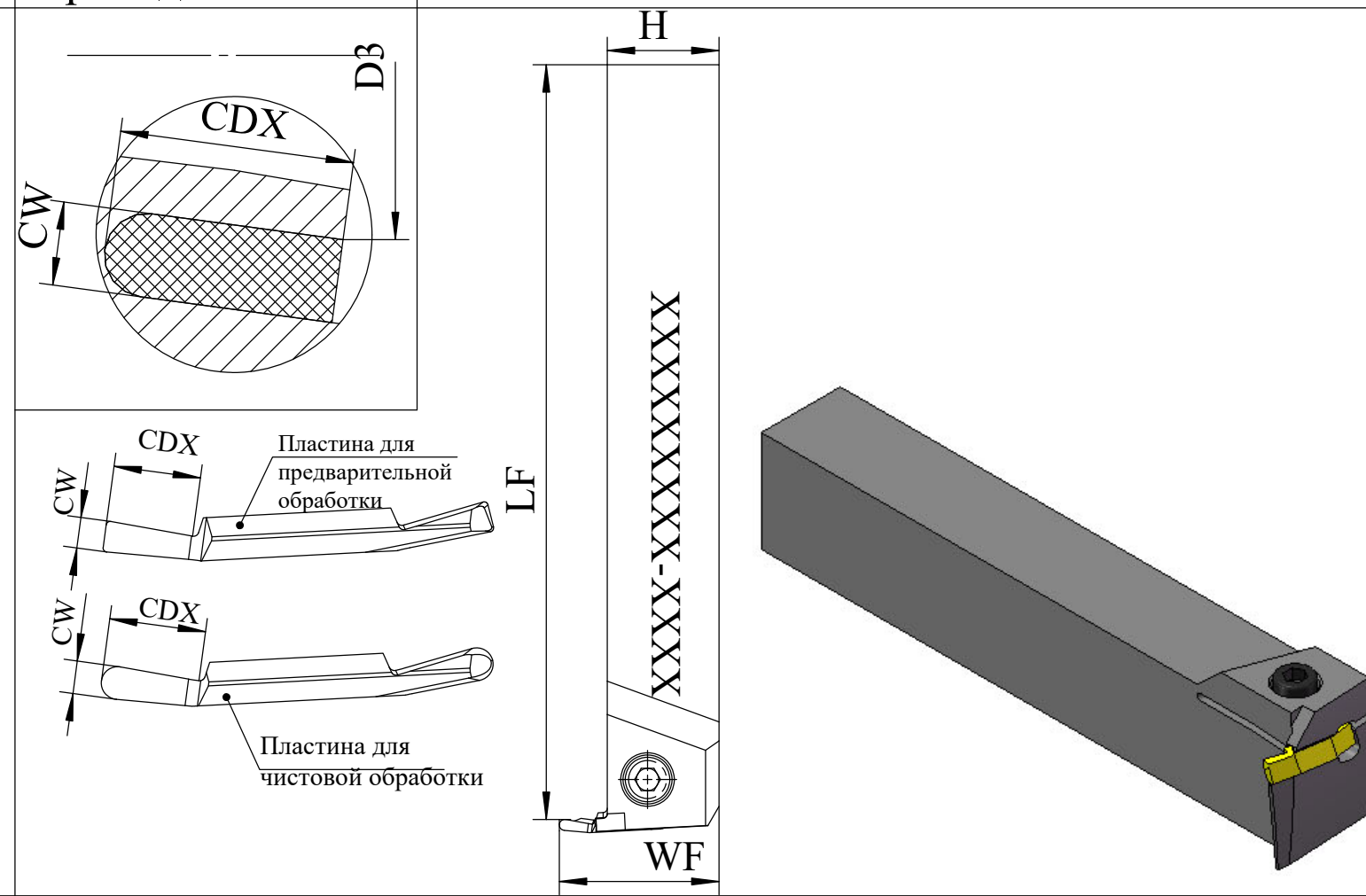
Инструмент №1



Технологический переход P3



Инструмент №2

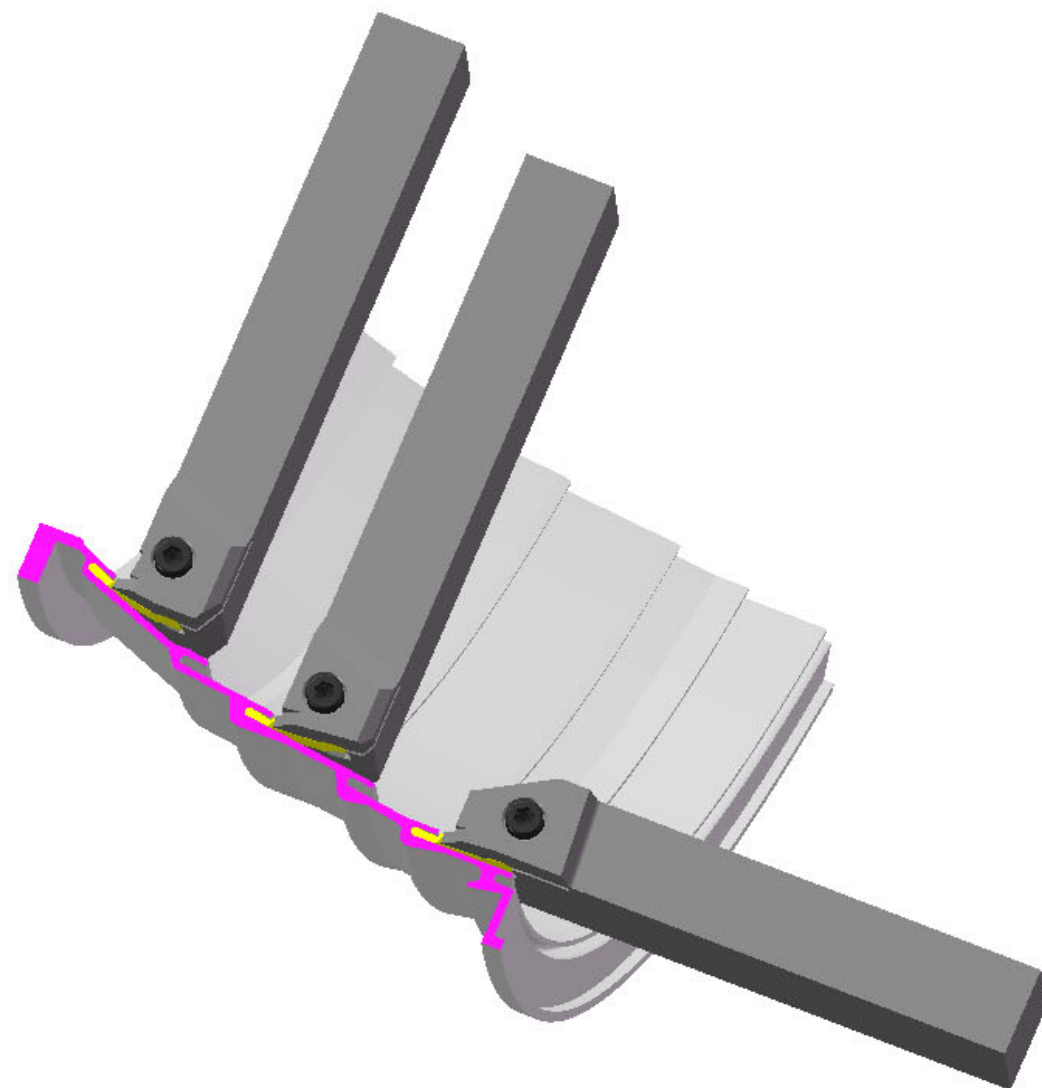
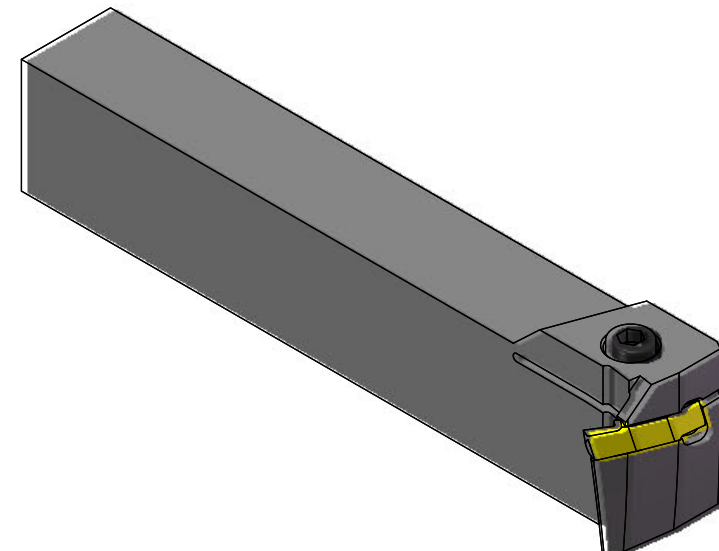
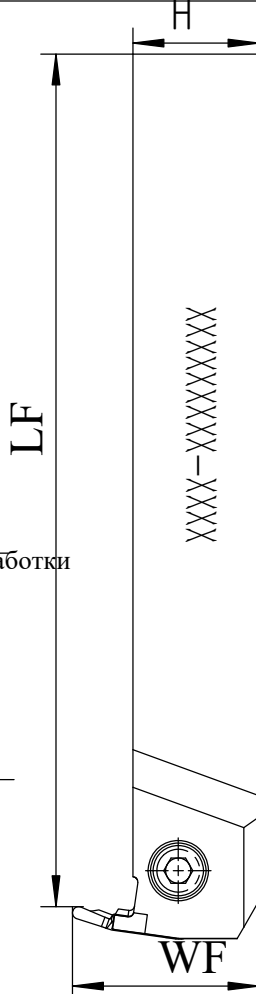
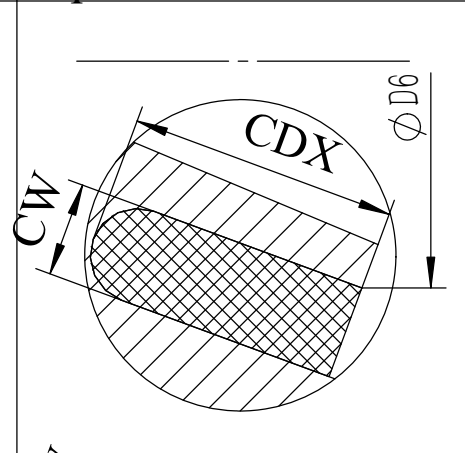
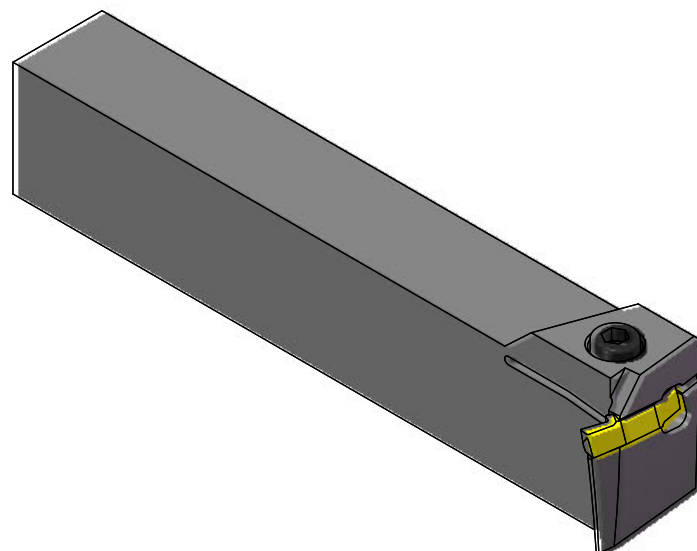
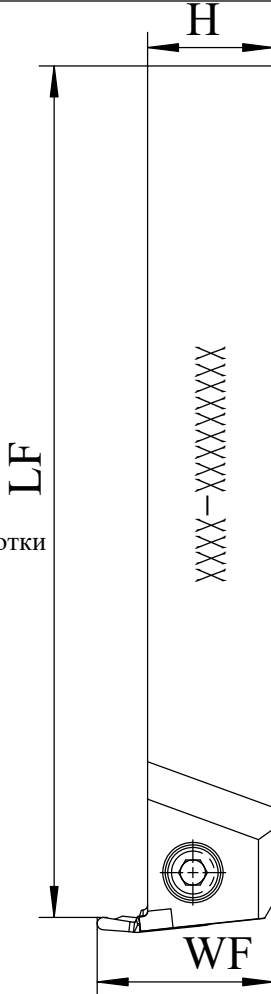
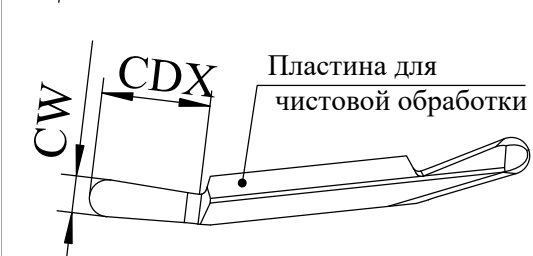
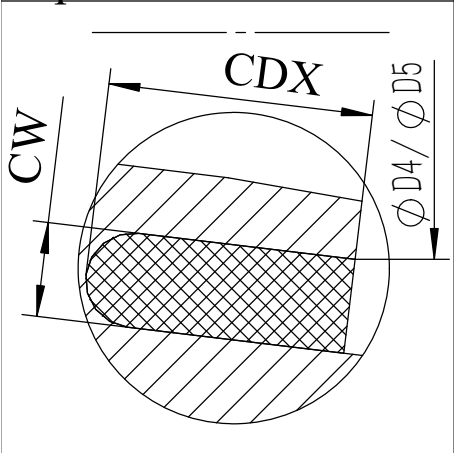


Технологический
переход P4-P5

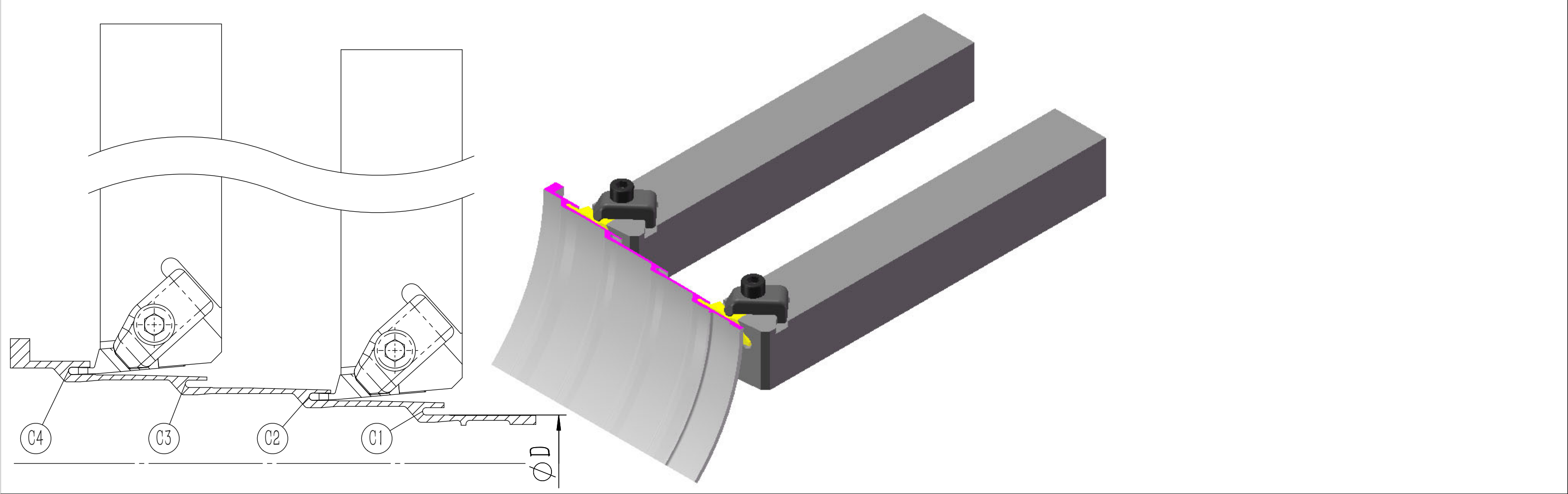
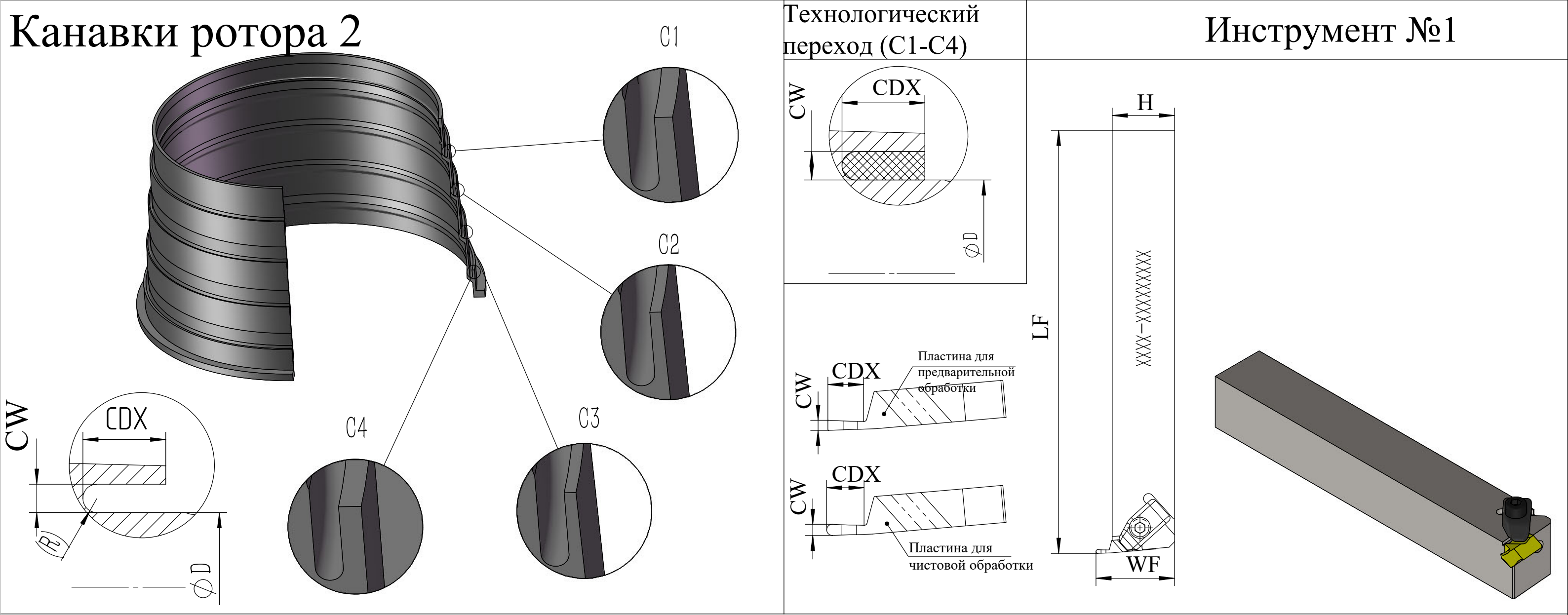
Инструмент №3

Технологический
переход P6

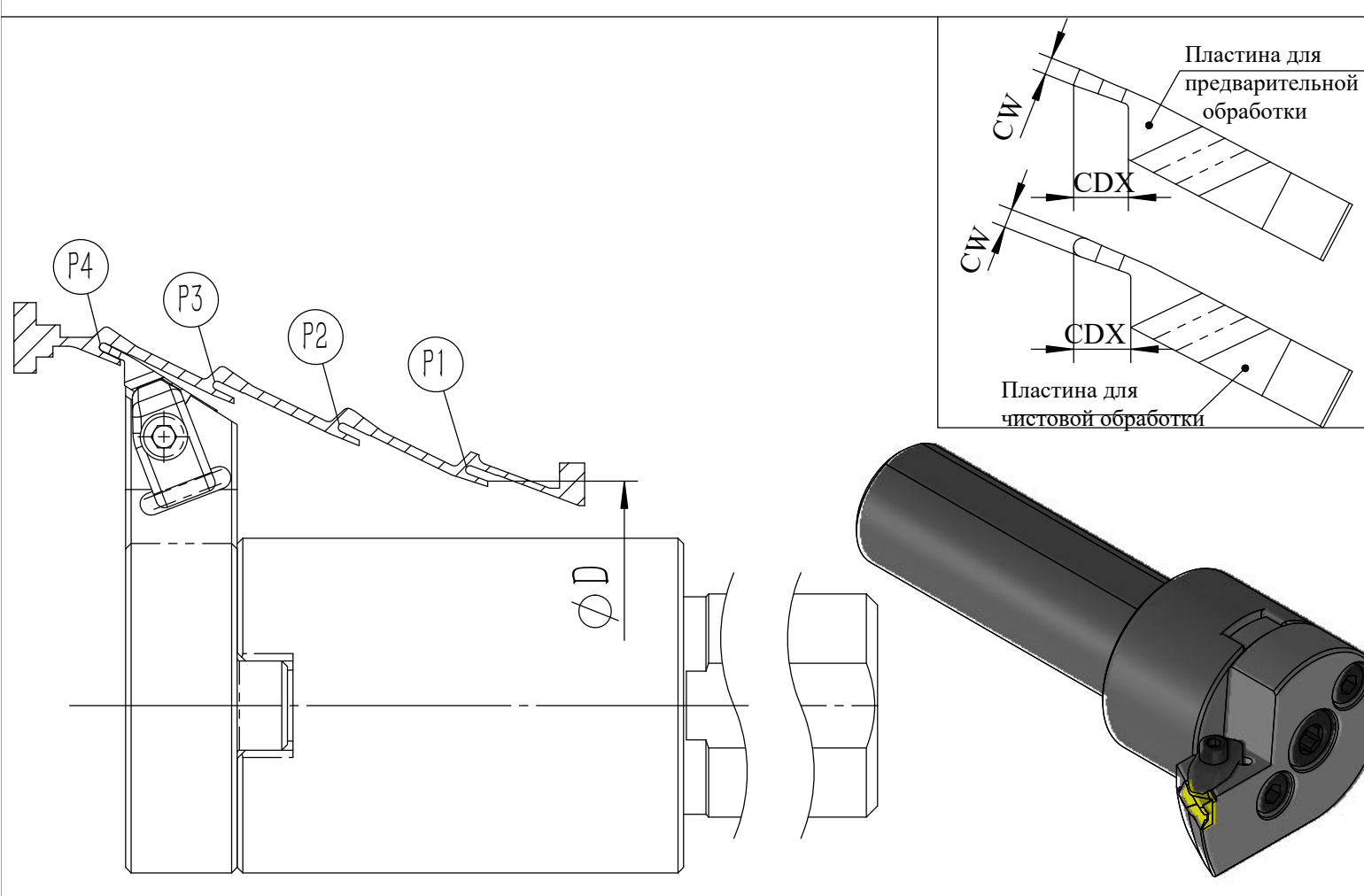
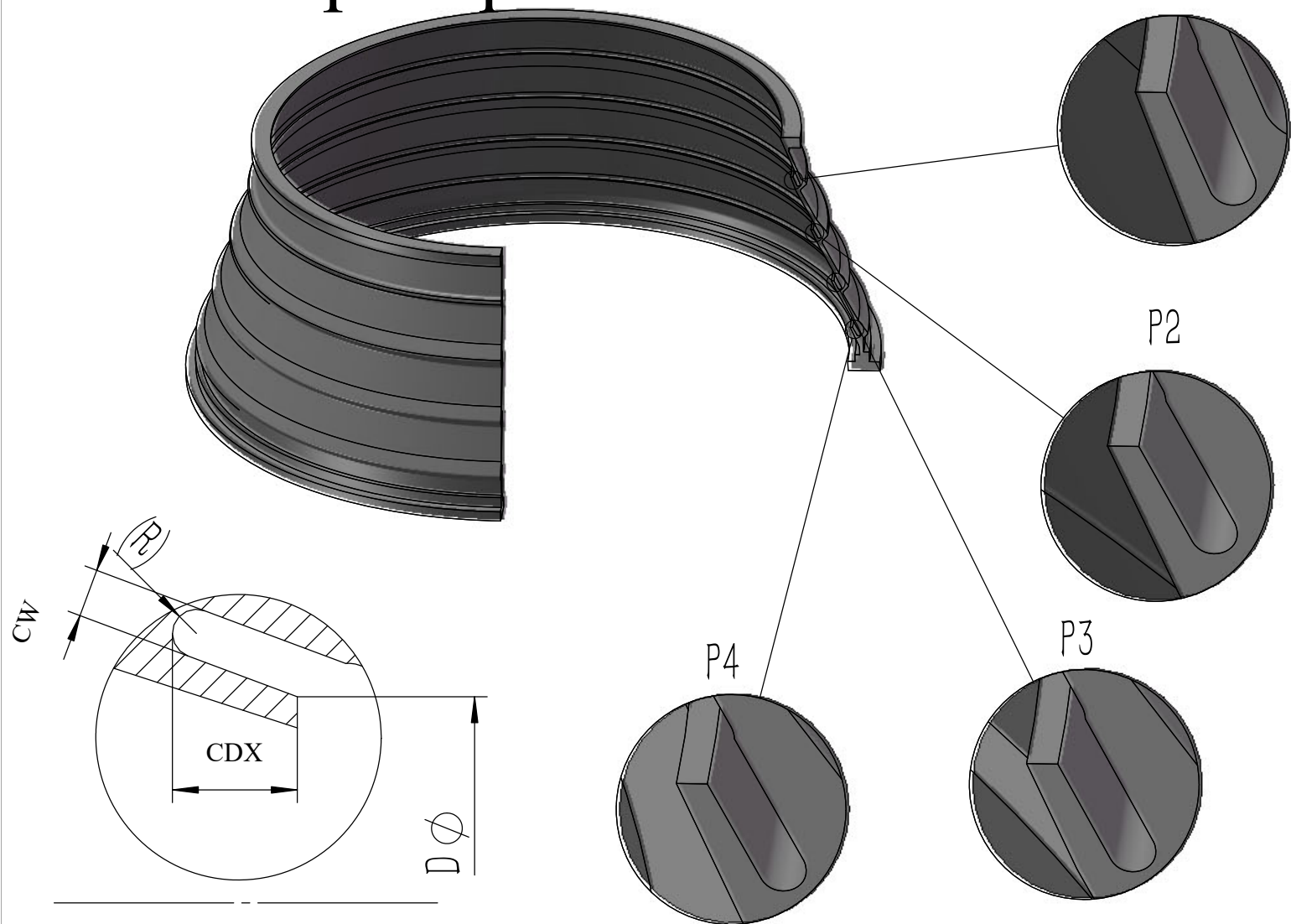
Инструмент №4



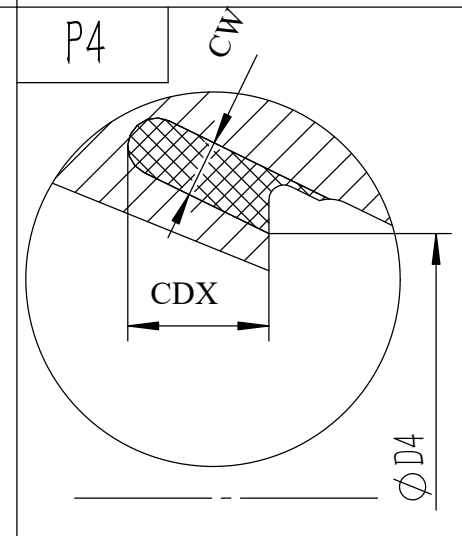
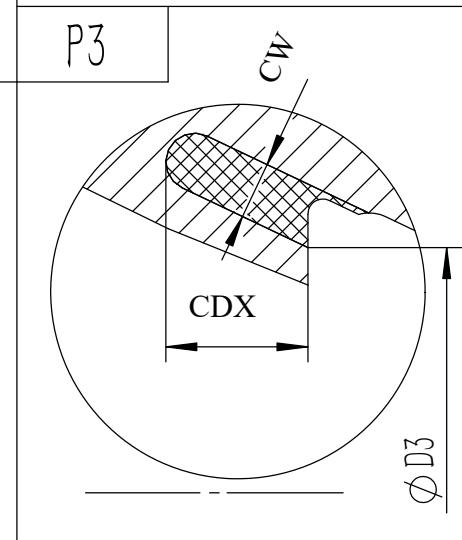
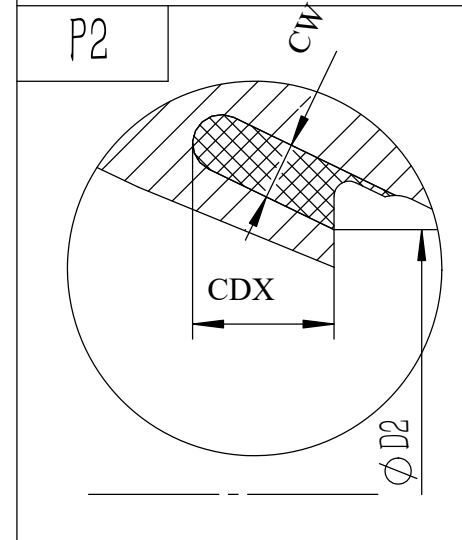
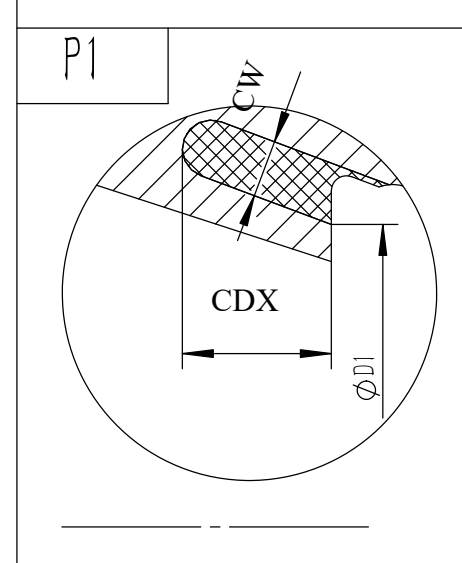
Канавки ротора 2



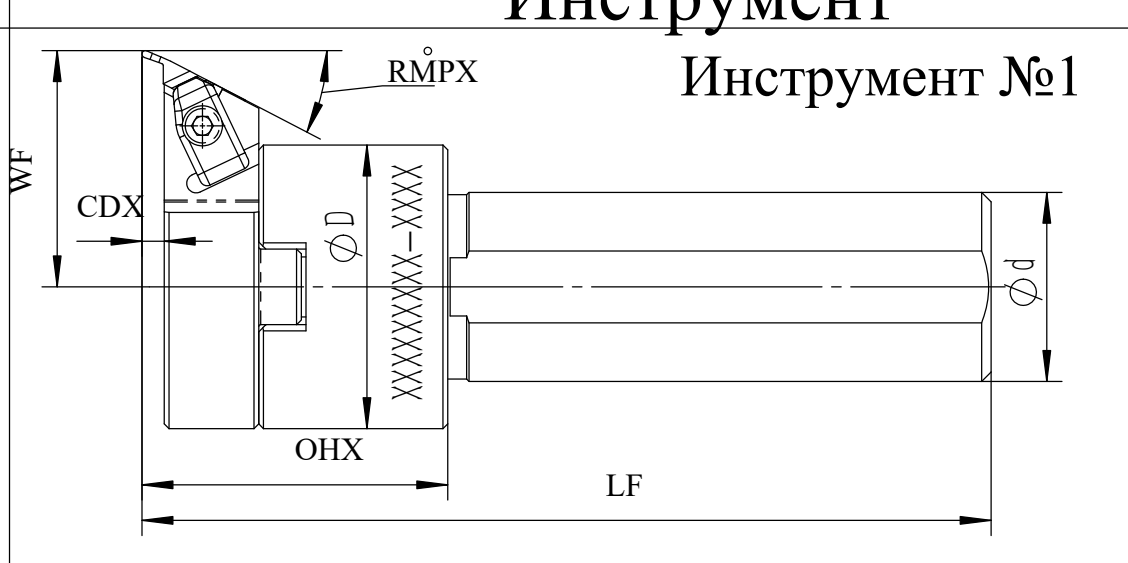
Канавки ротора 3



Технологический переход

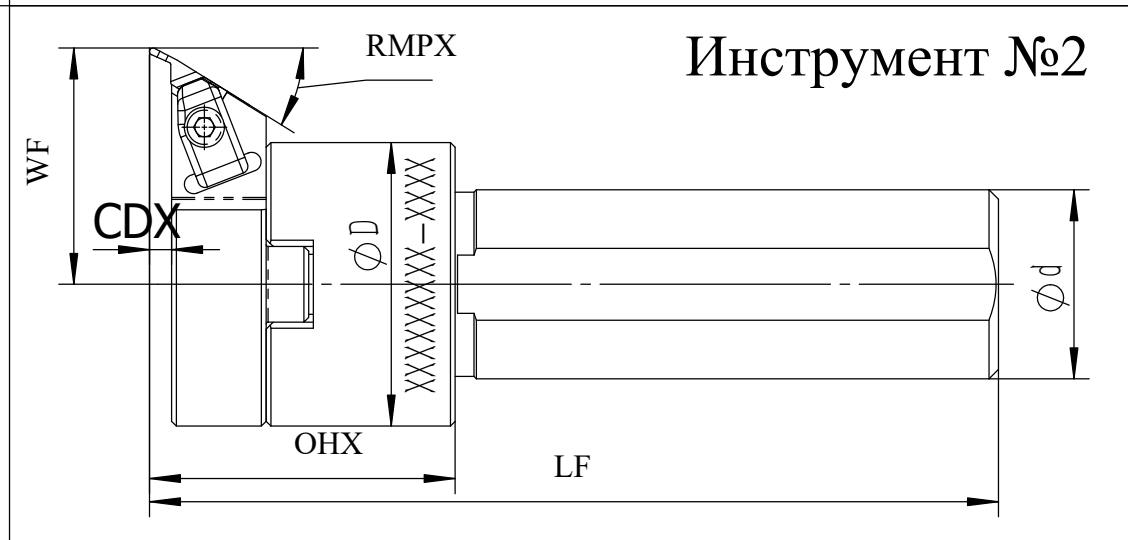


P1

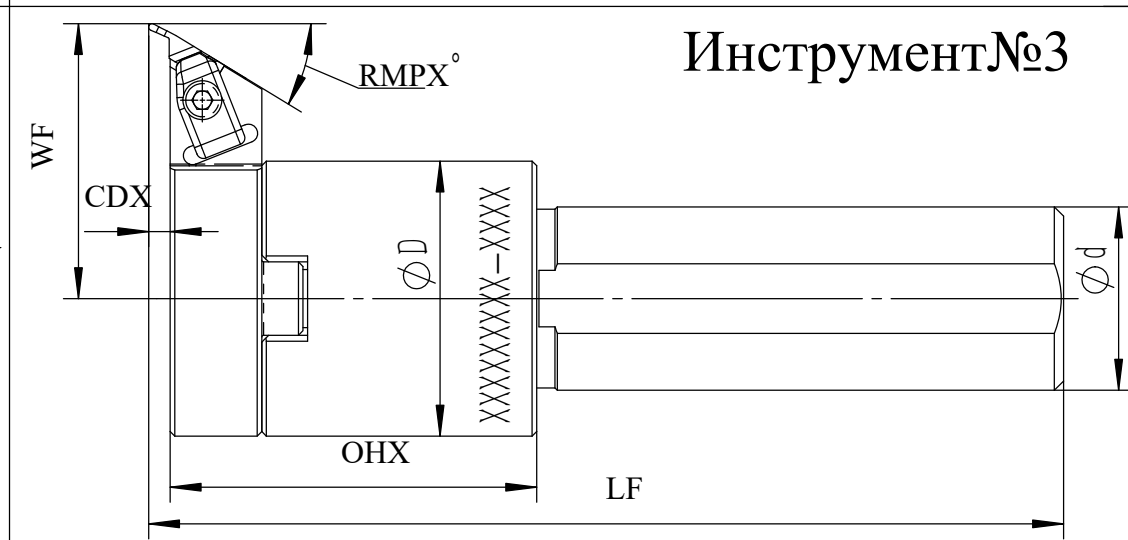


Инструмент

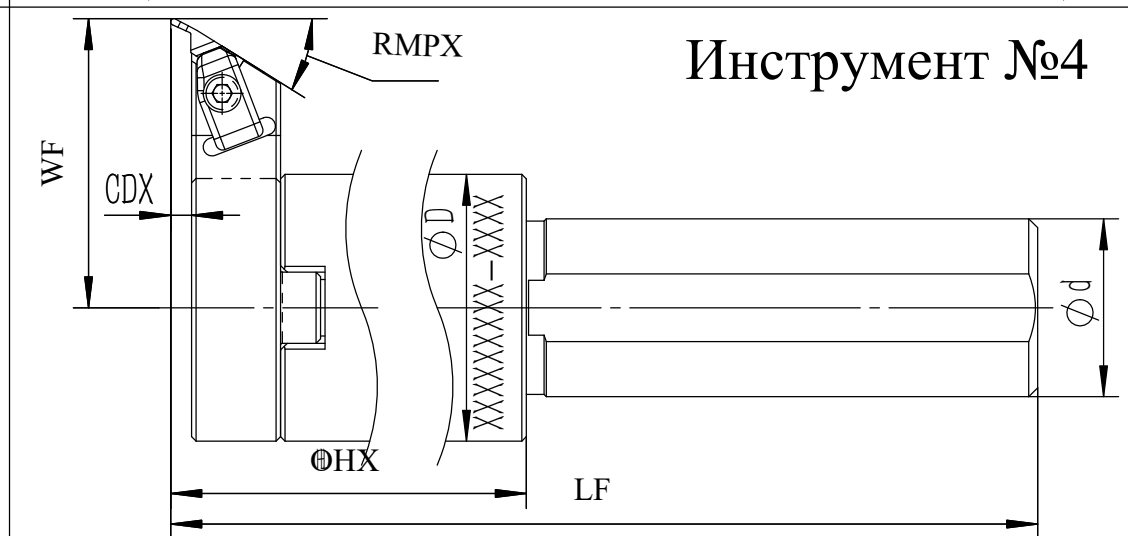
Инструмент №1



Инструмент №2

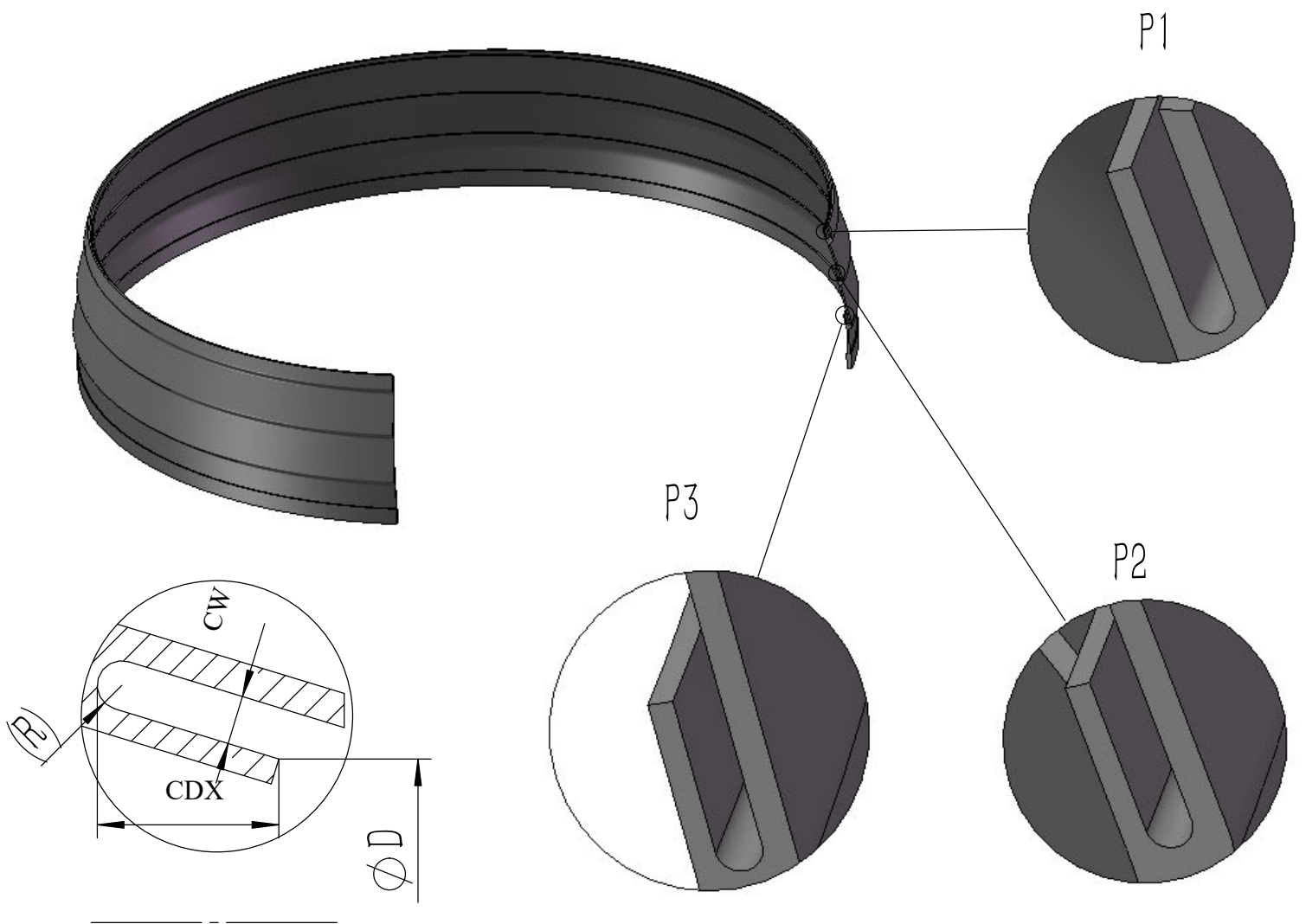


Инструмент №3

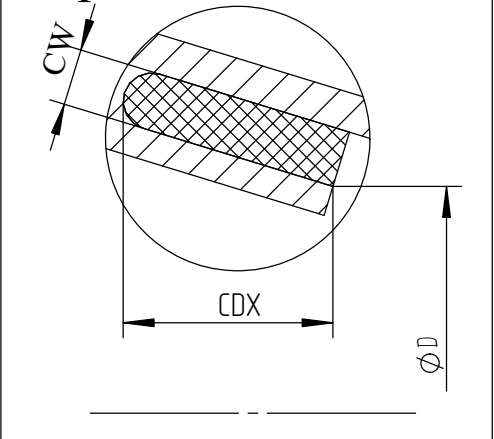


Инструмент №4

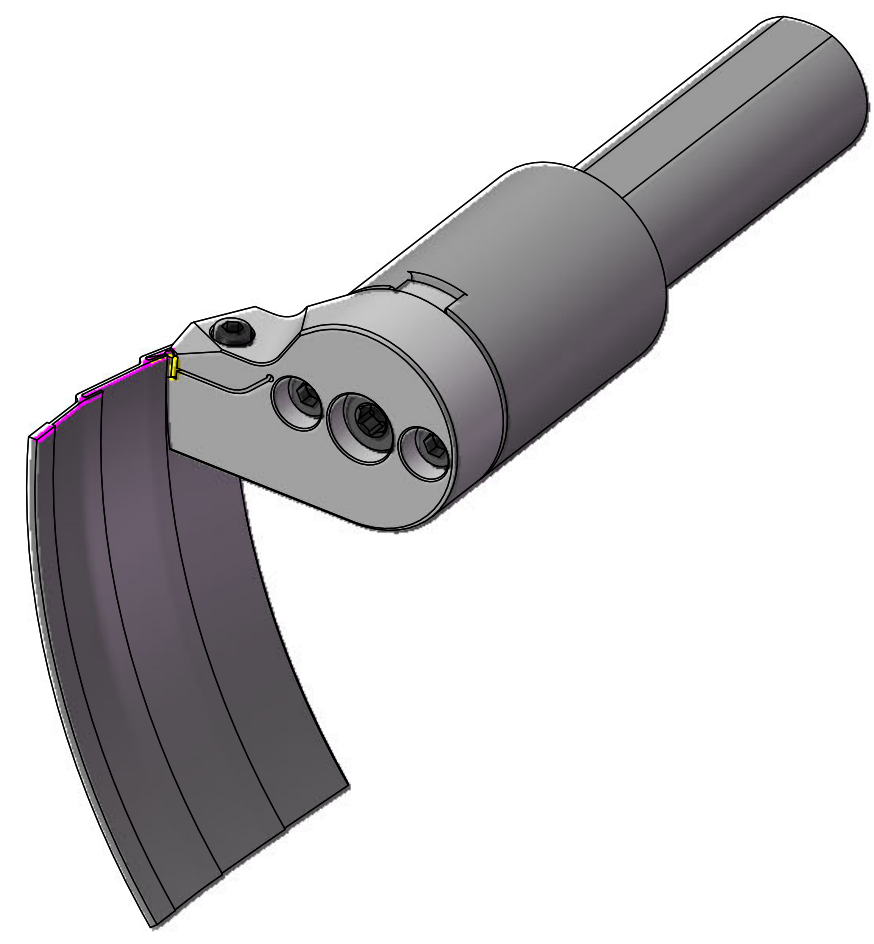
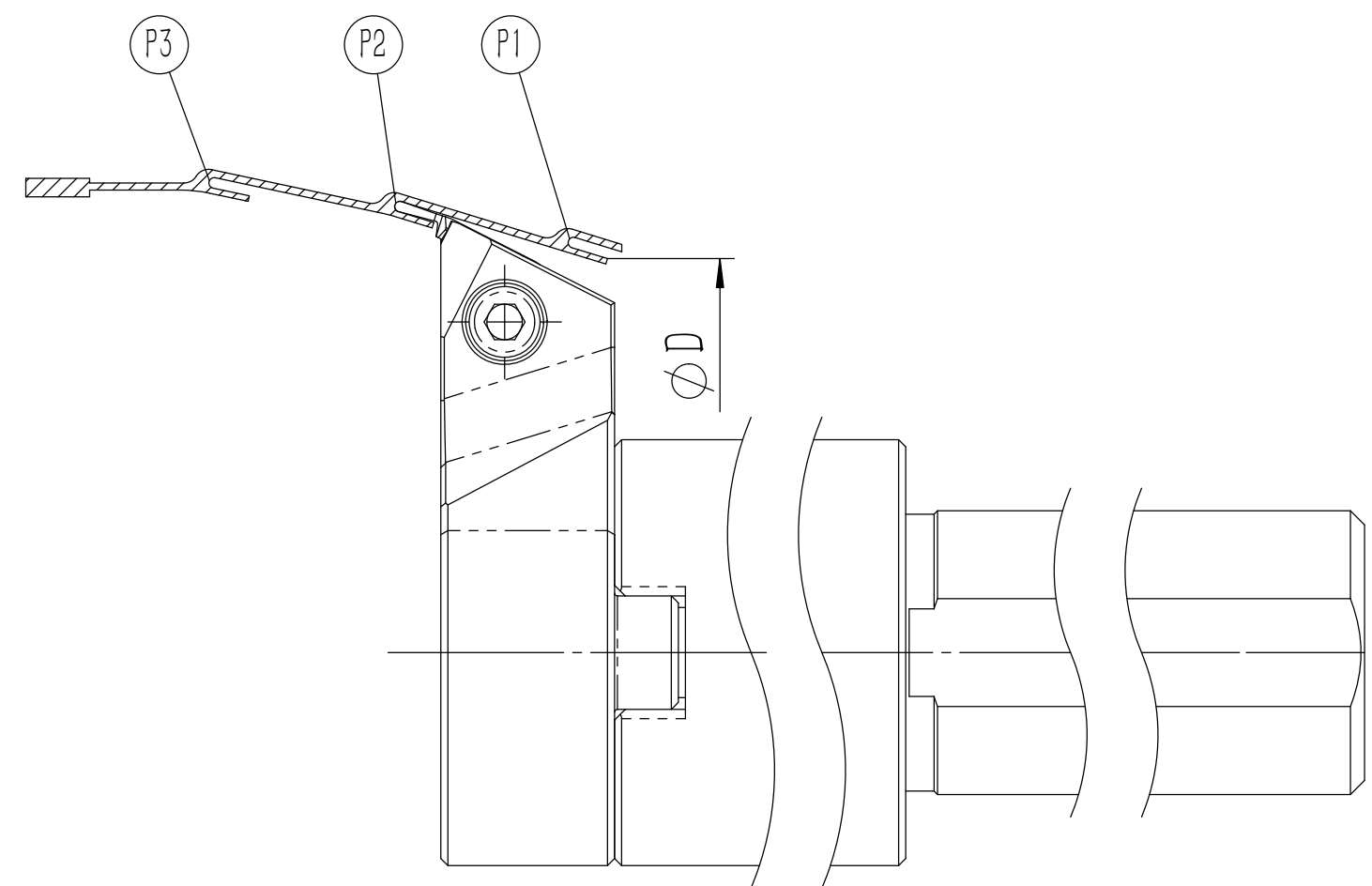
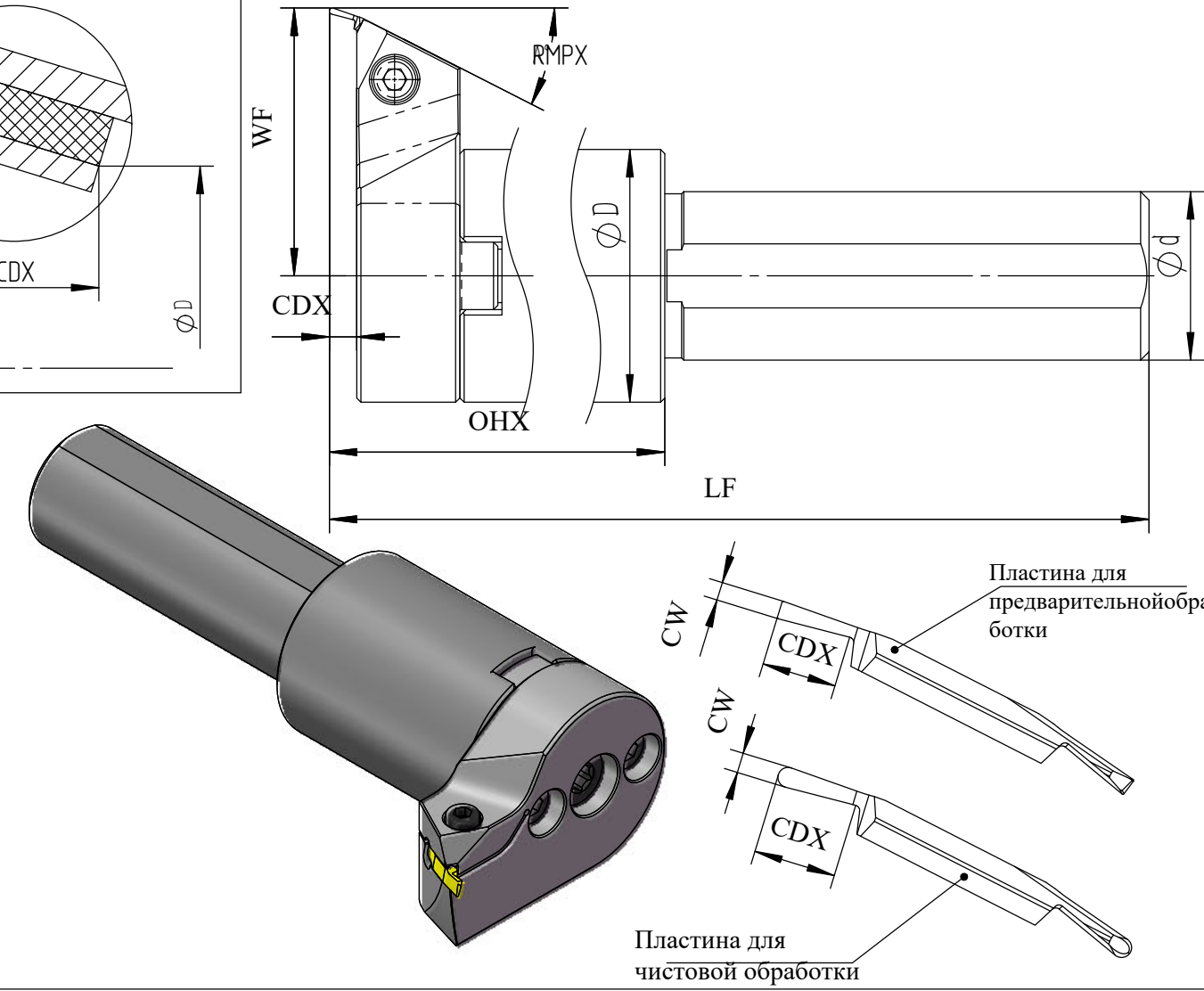
Канавки ротора 4



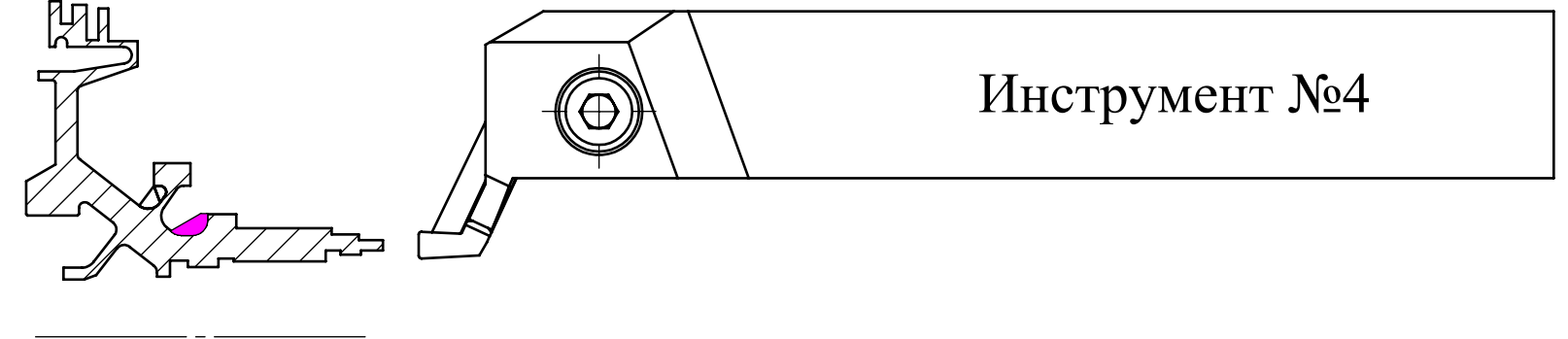
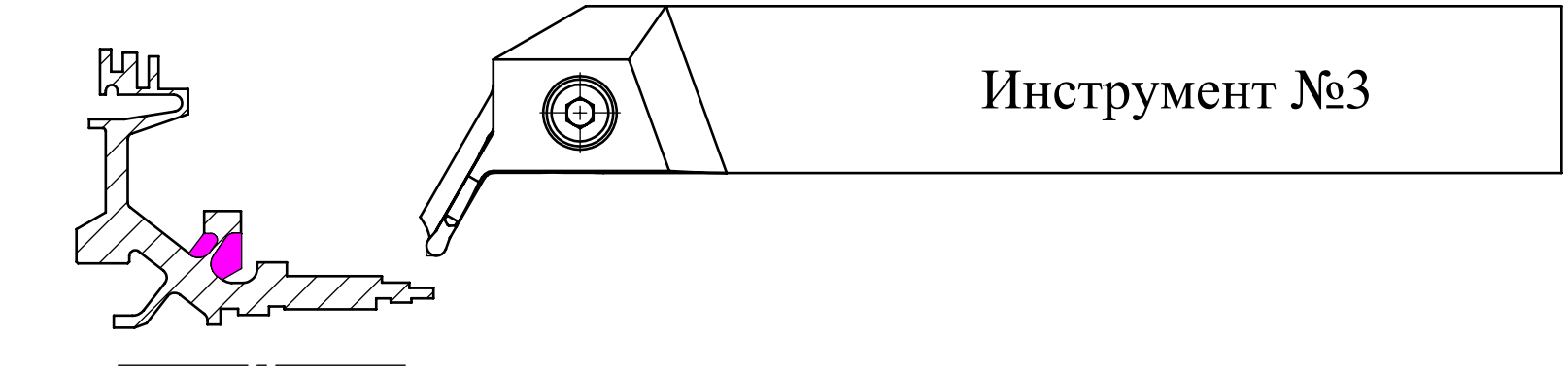
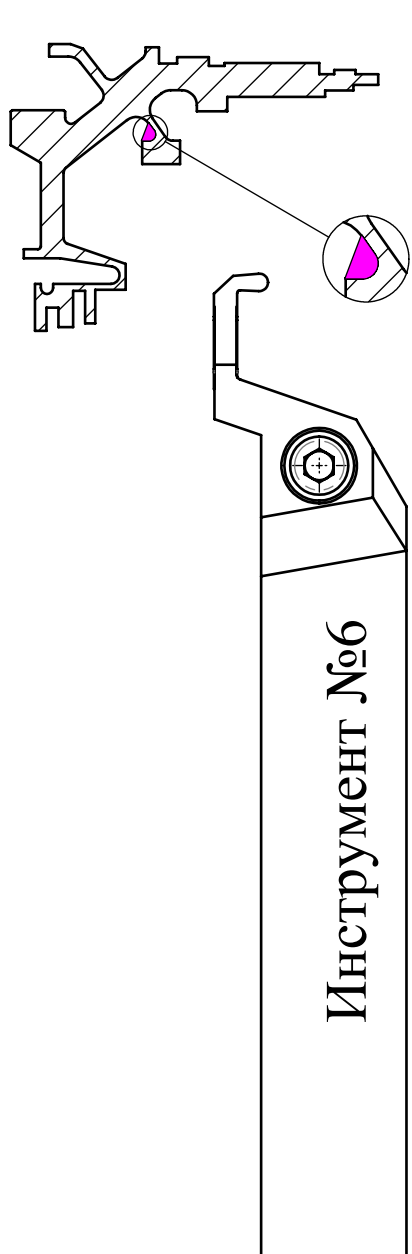
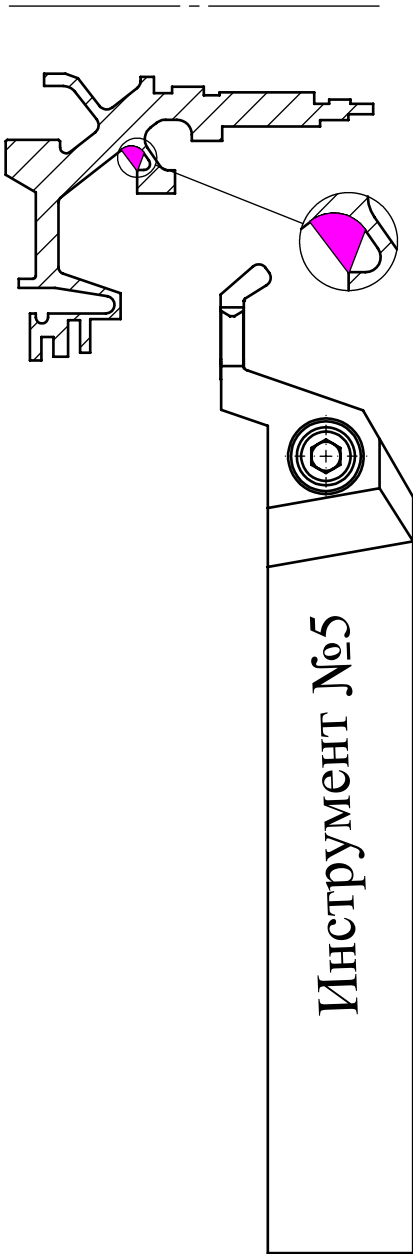
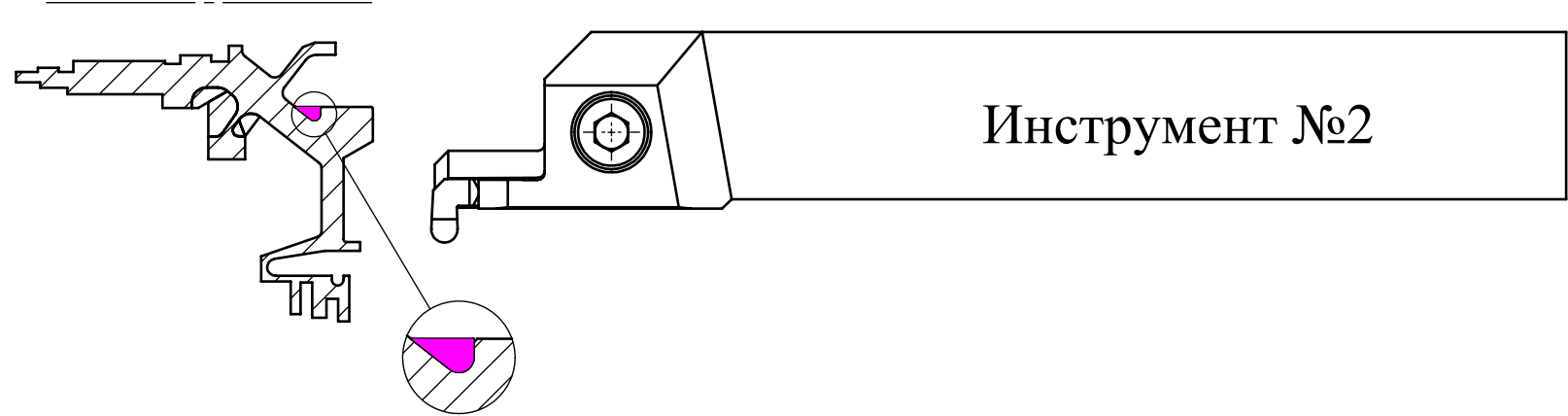
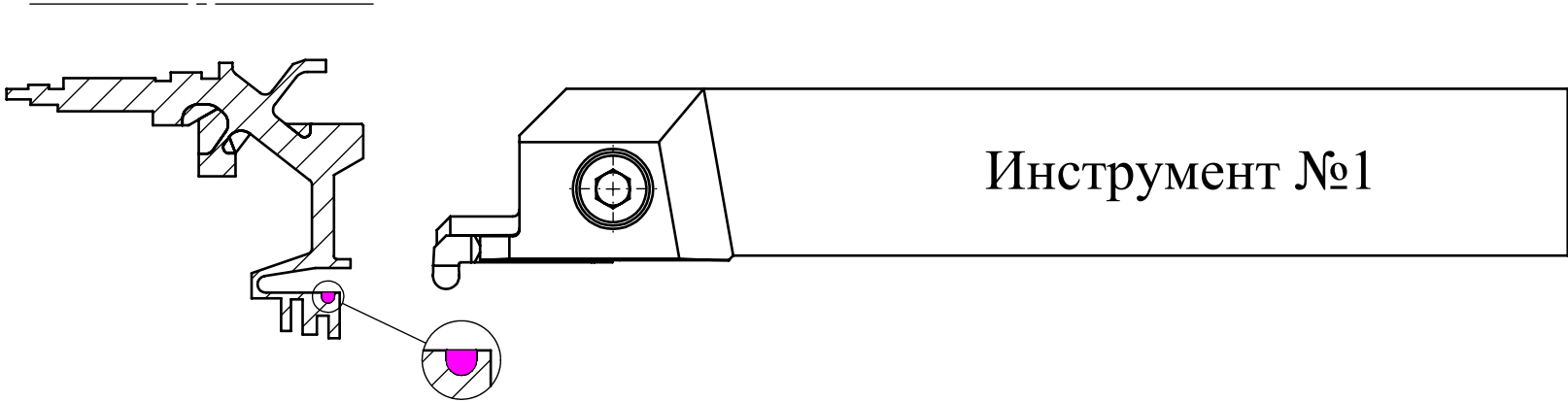
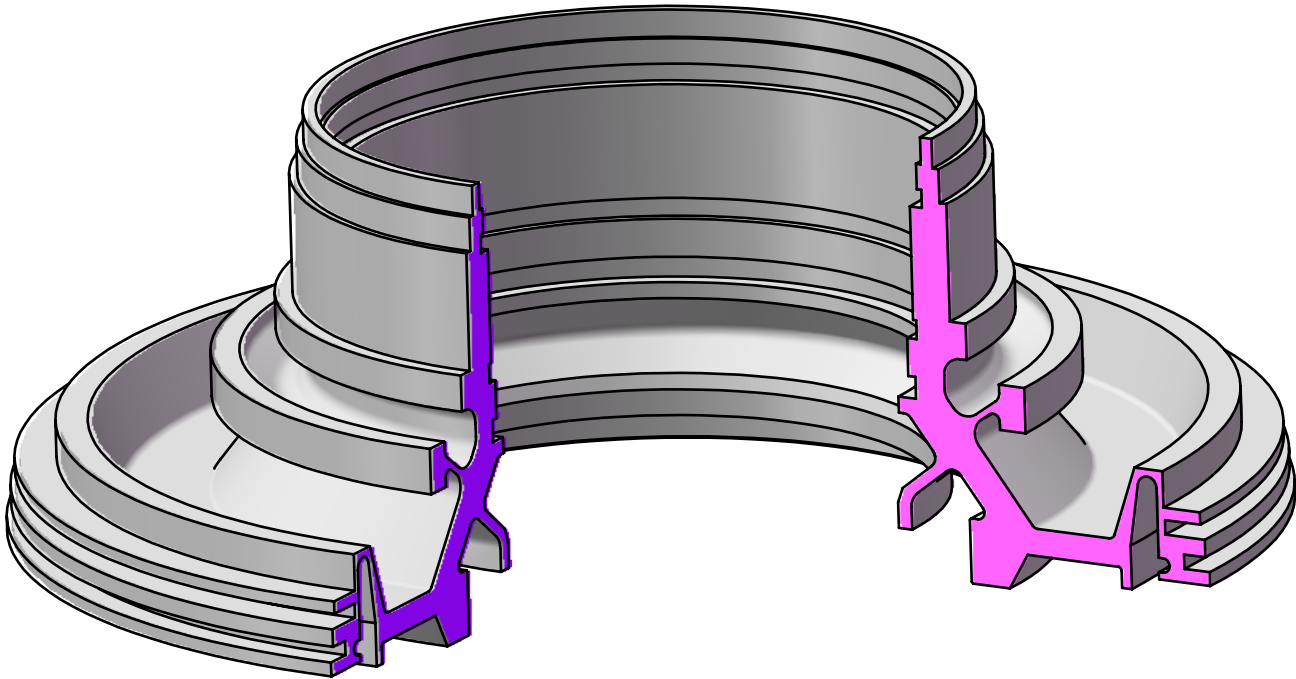
Технологический переход P1-P3



Инструмент 1

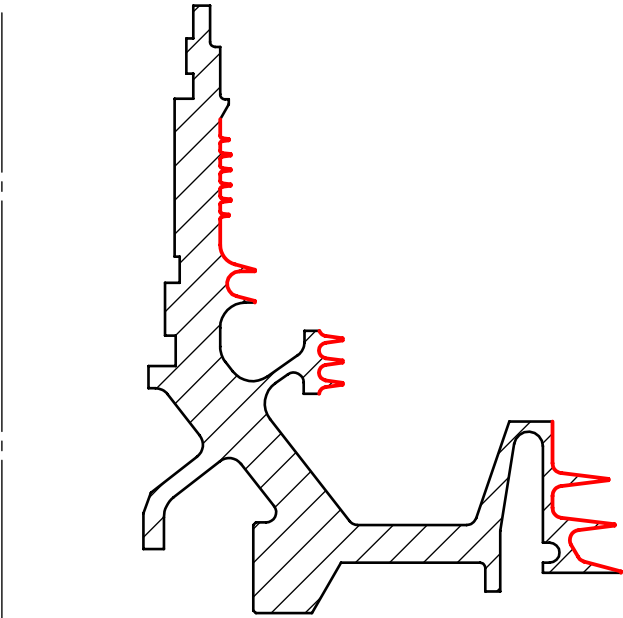
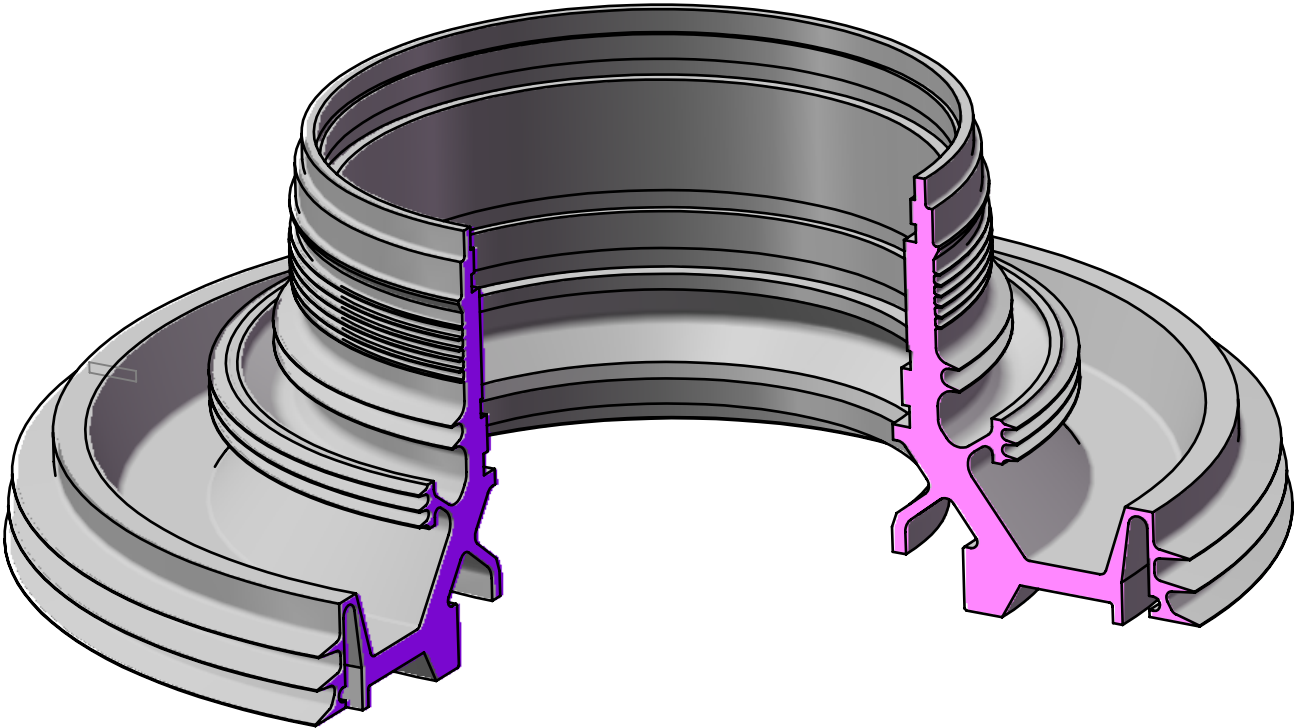


Вал ТВД



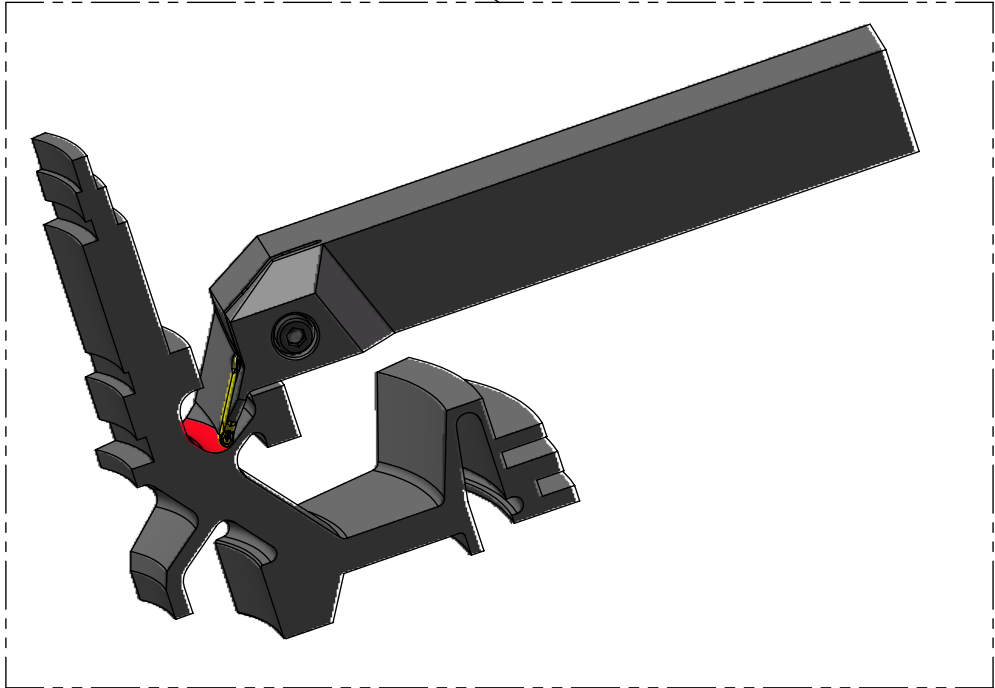
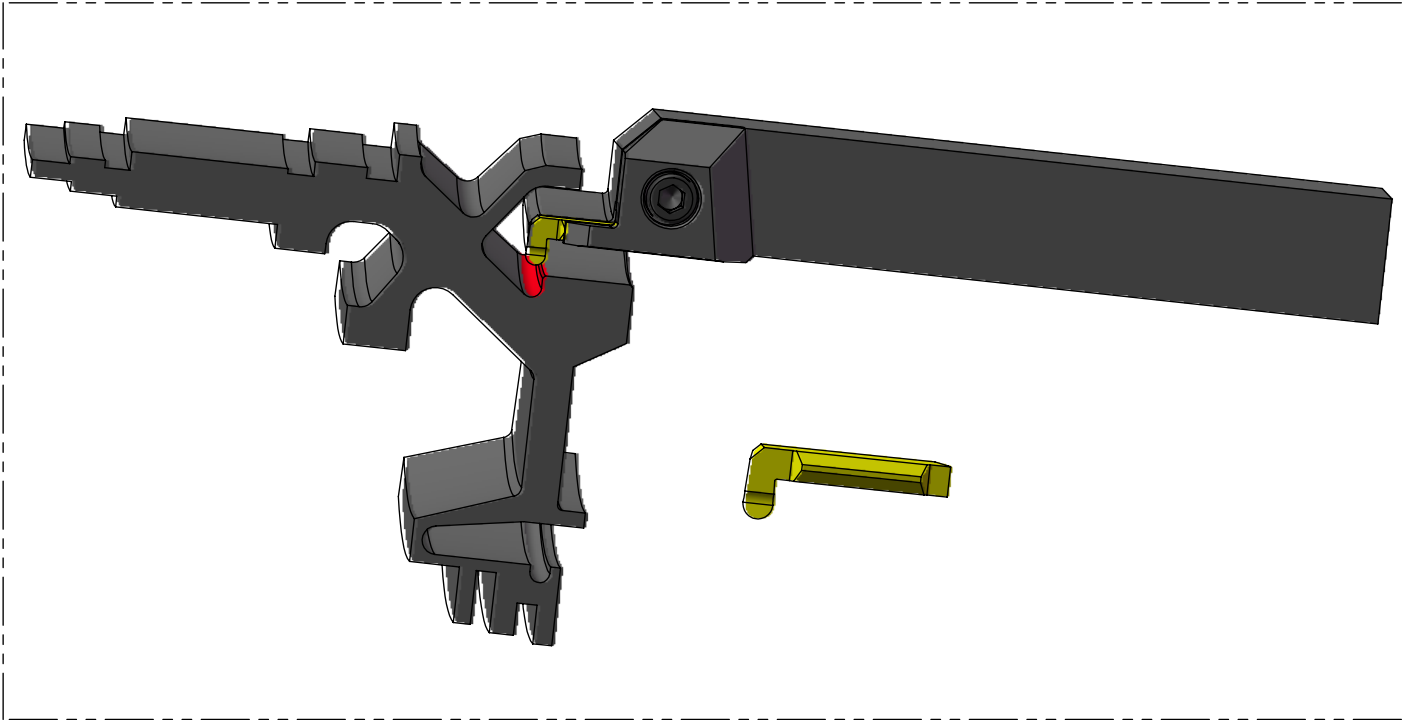
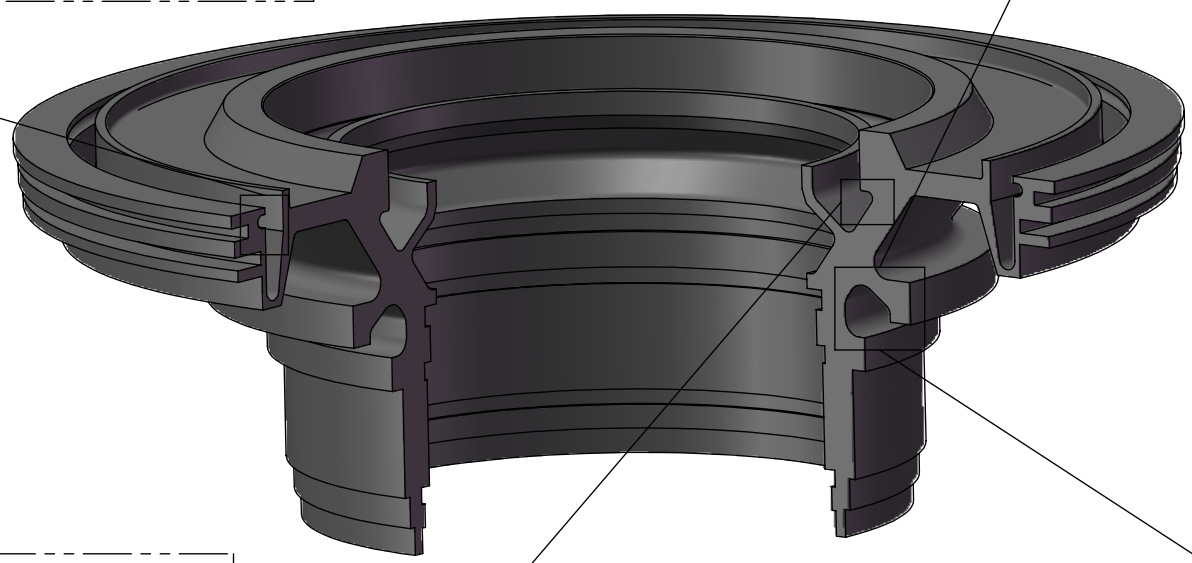
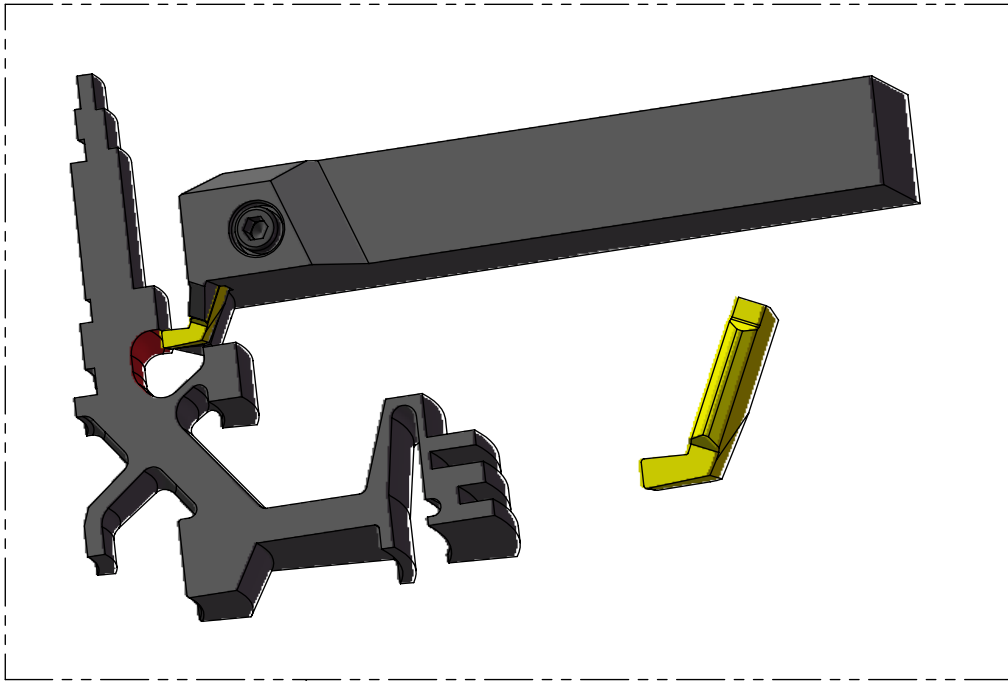
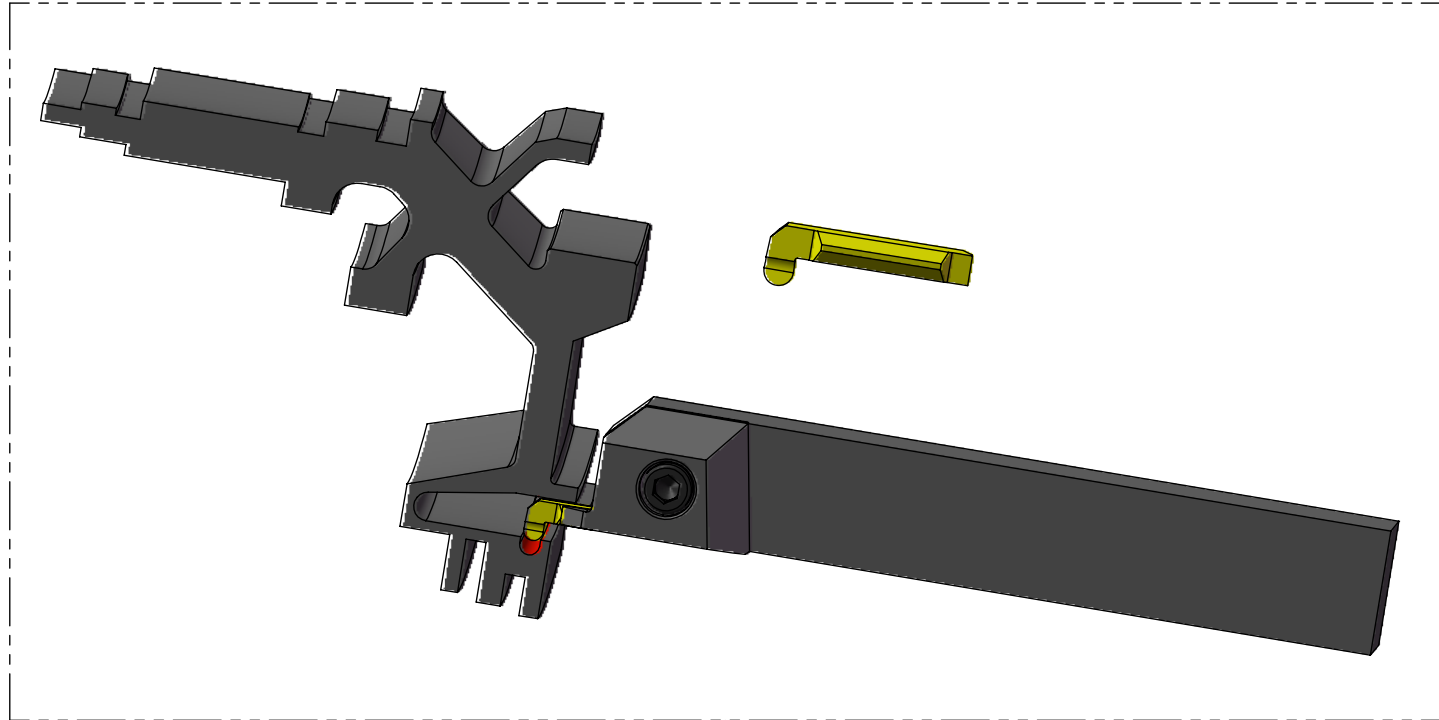
Вал ТВД

Инструмент №7

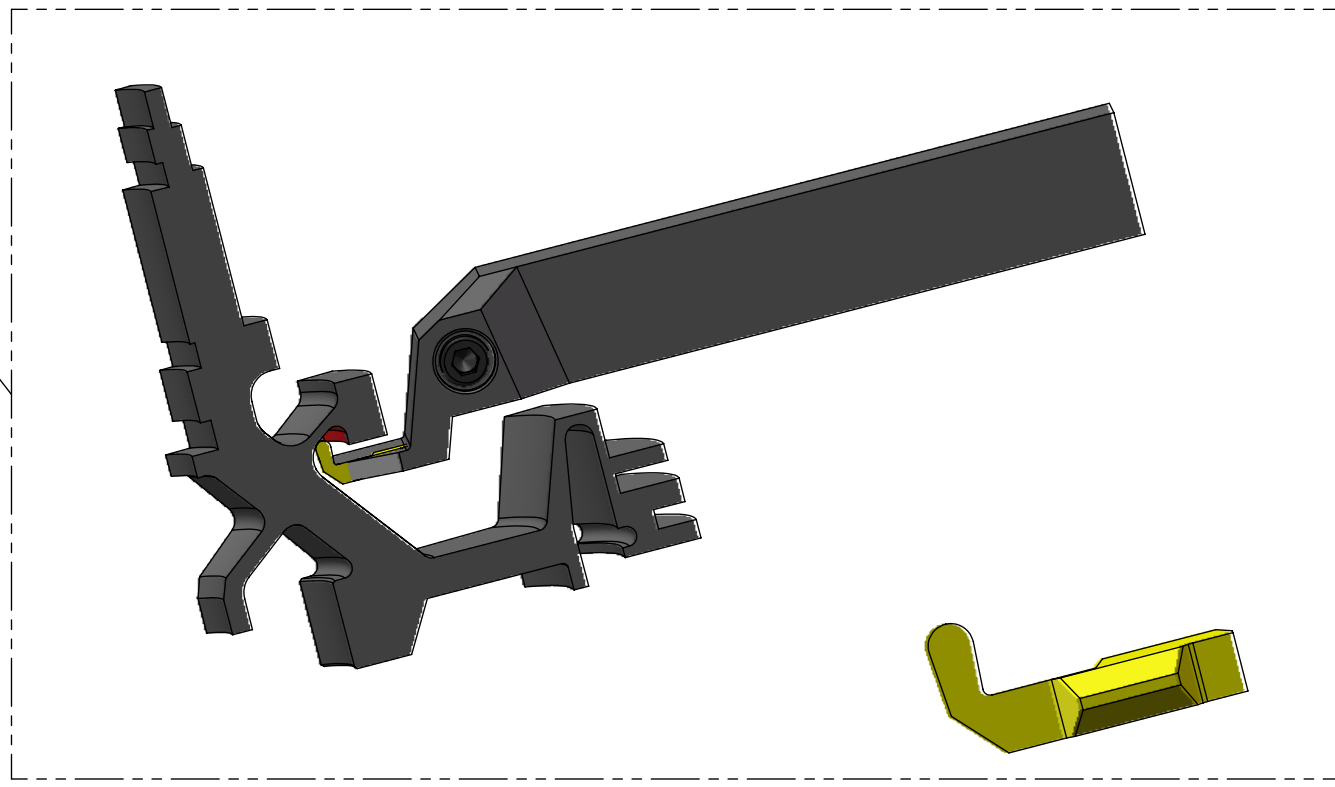
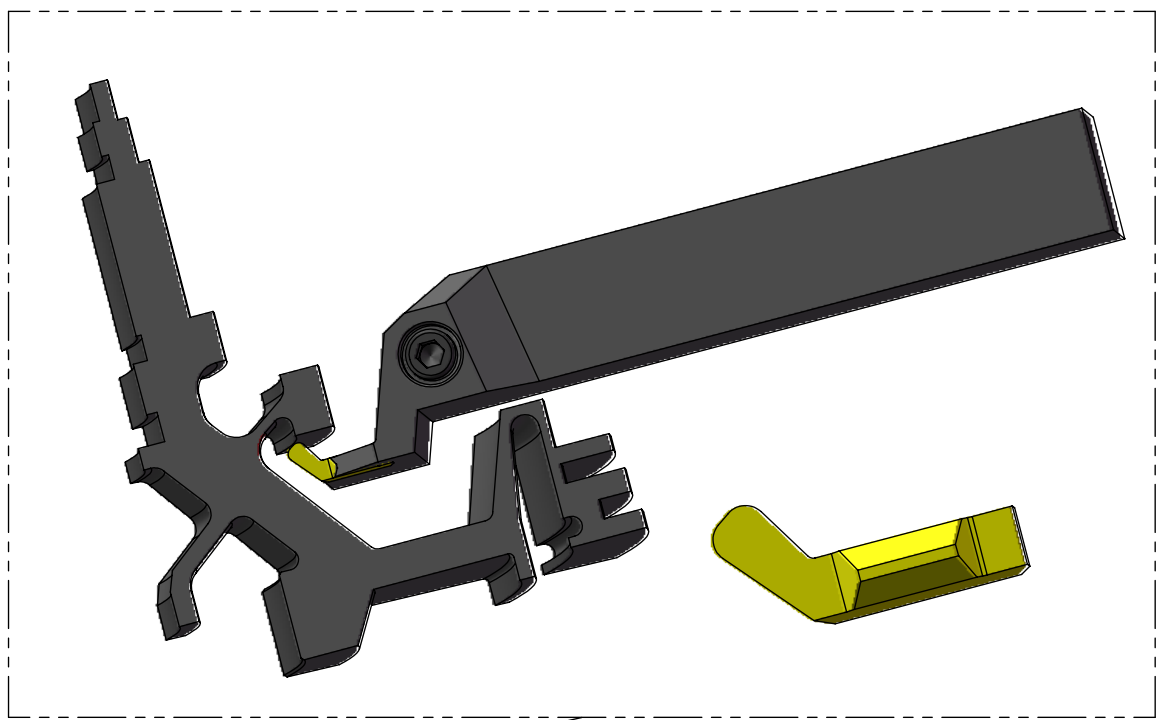
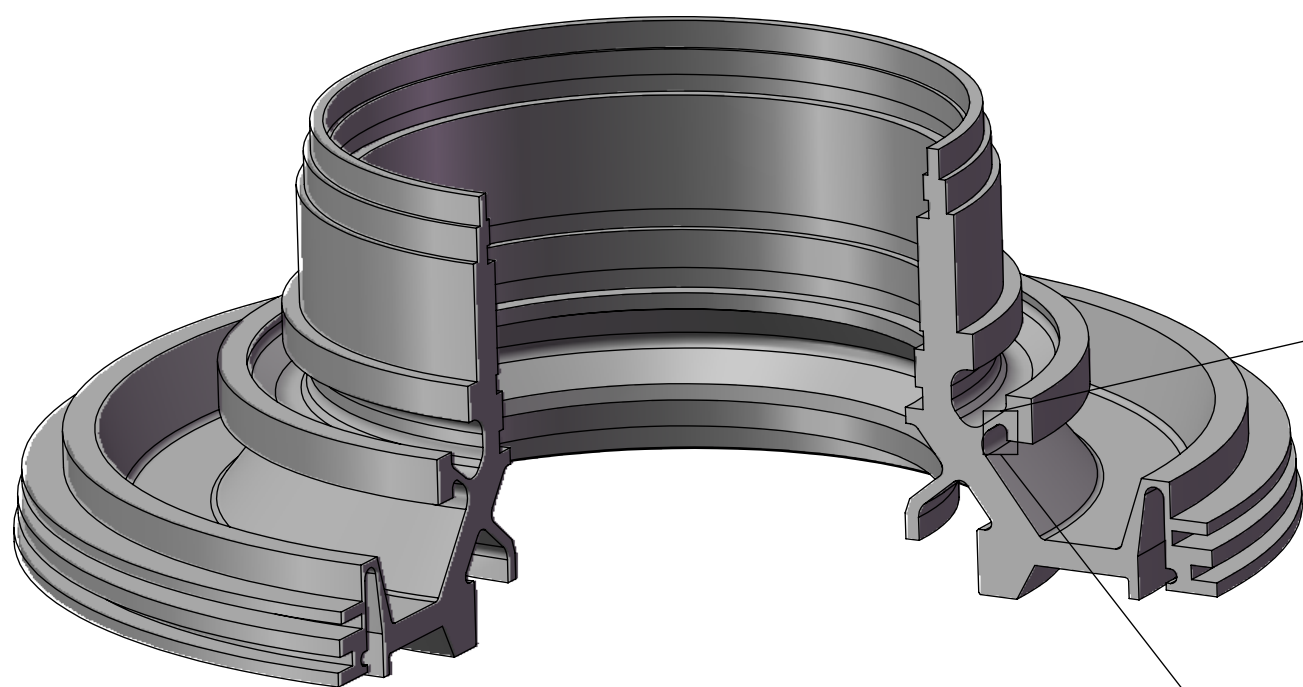


Инструмент №7

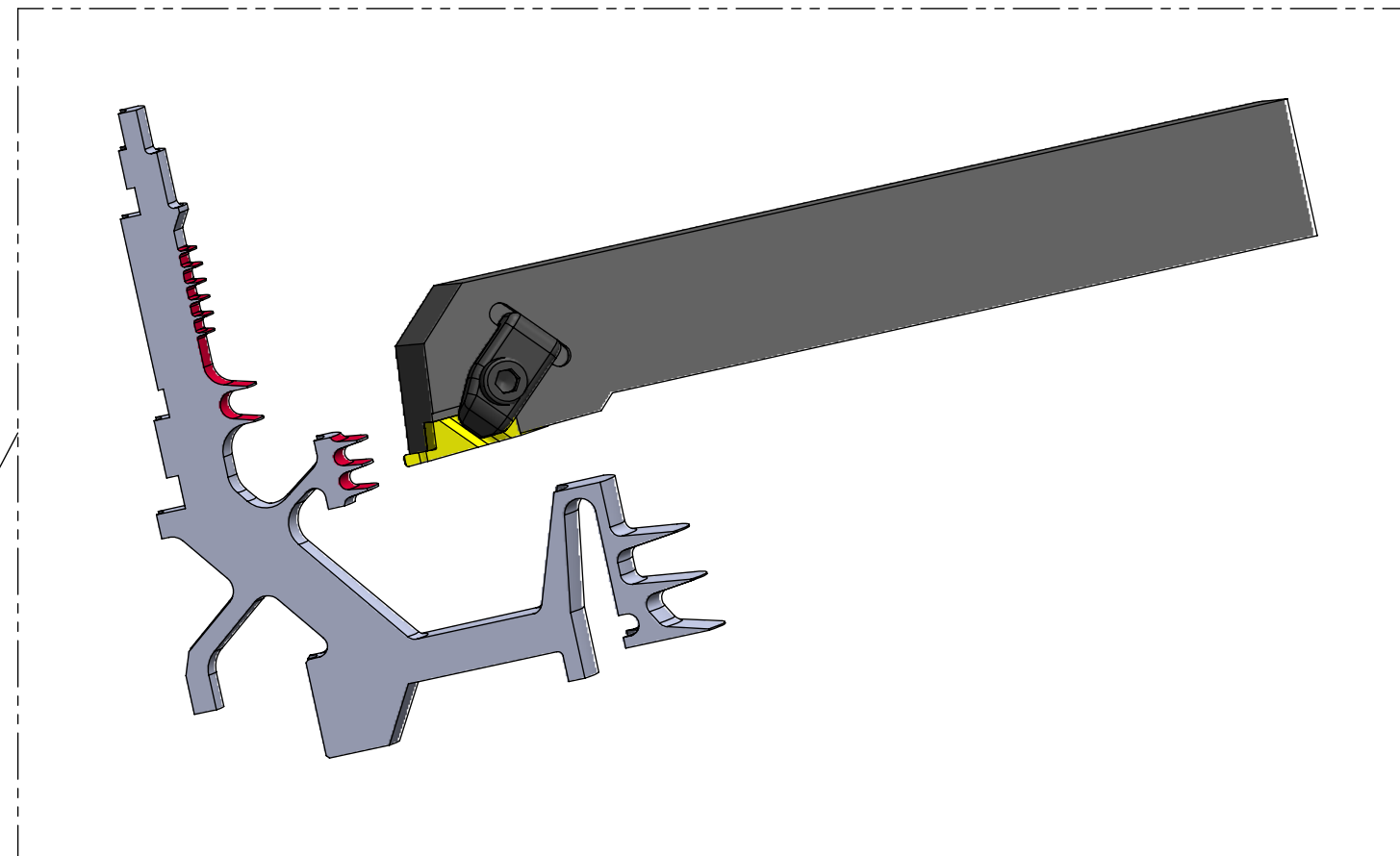
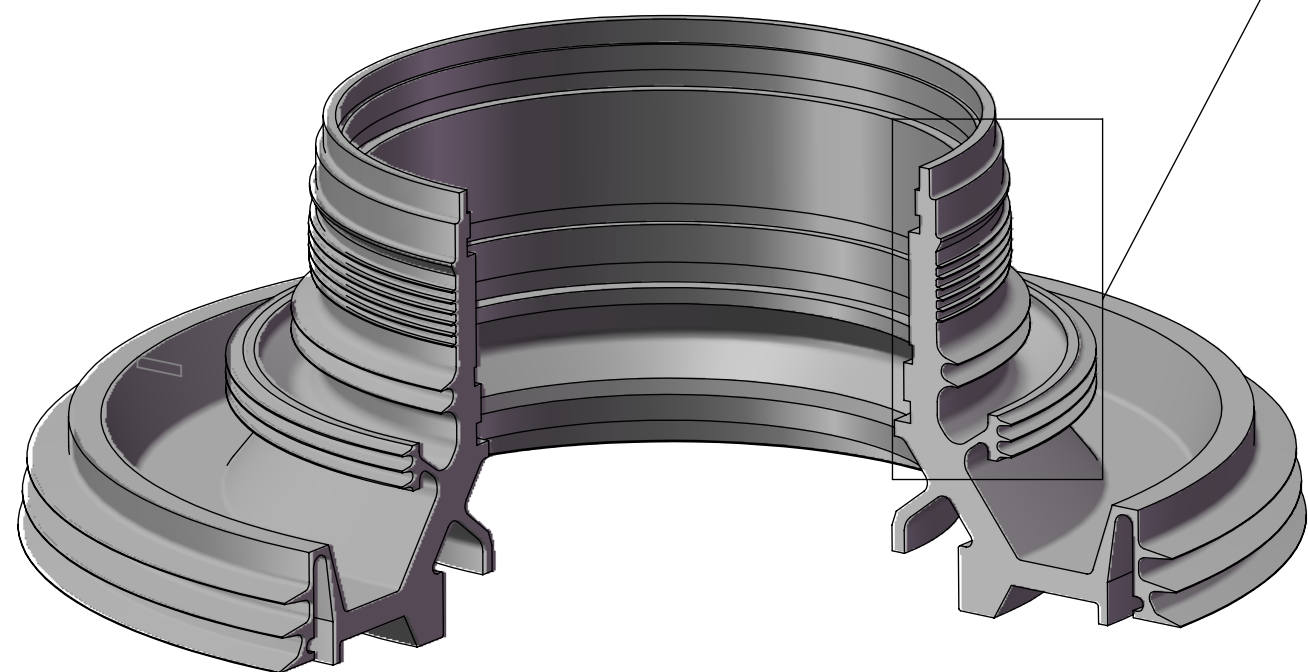
Вал ТВД



Вал ТВД

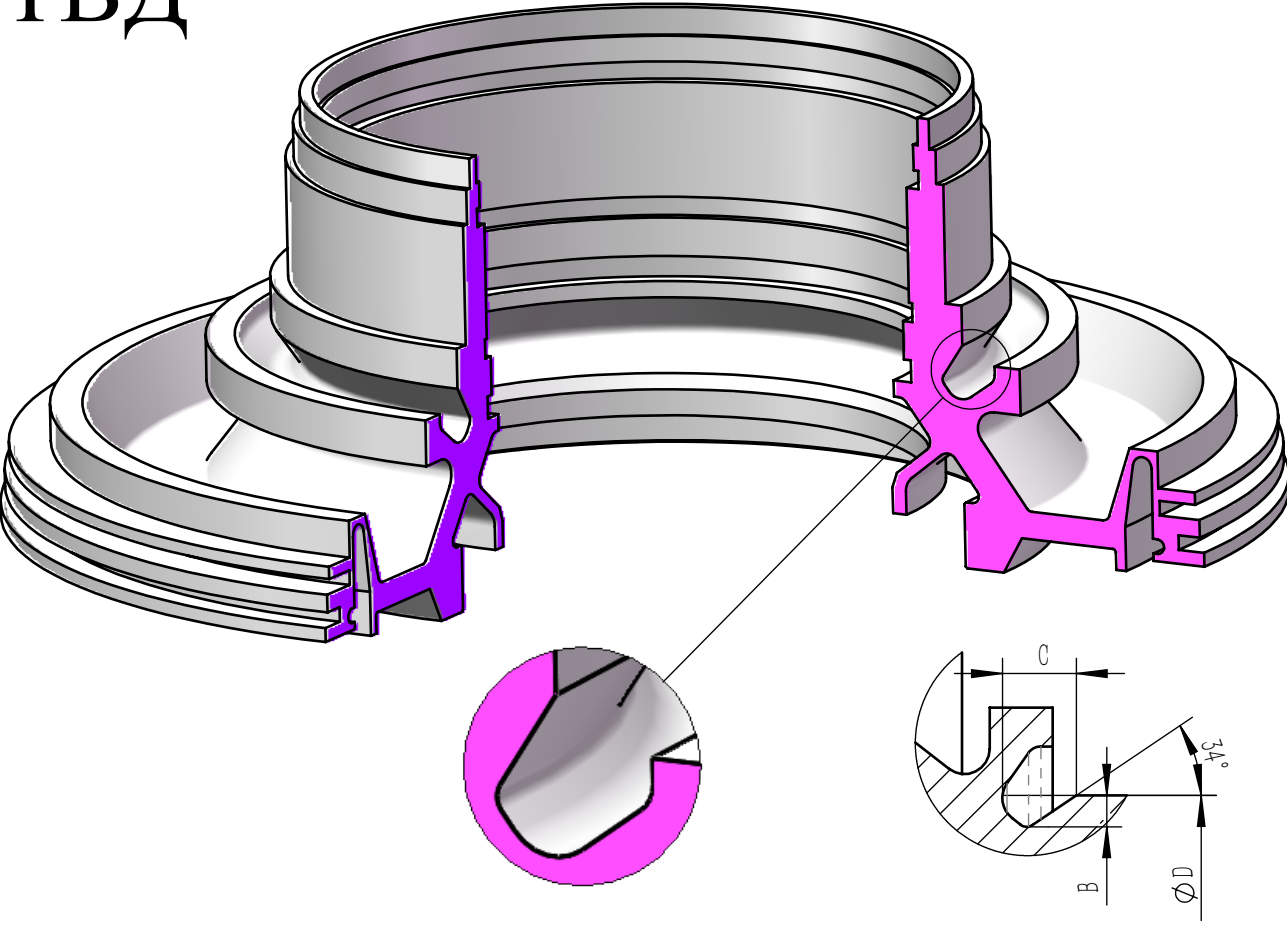


Вал ТВД

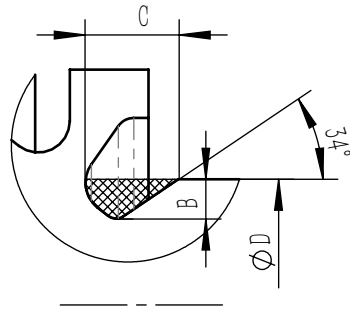


Вал ТВД	Технологический переход	Инструмент №1
Вал ТВД	Технологический переход	Инструмент №2

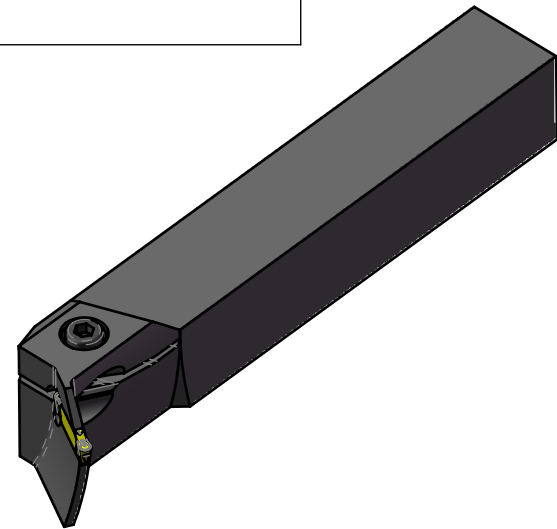
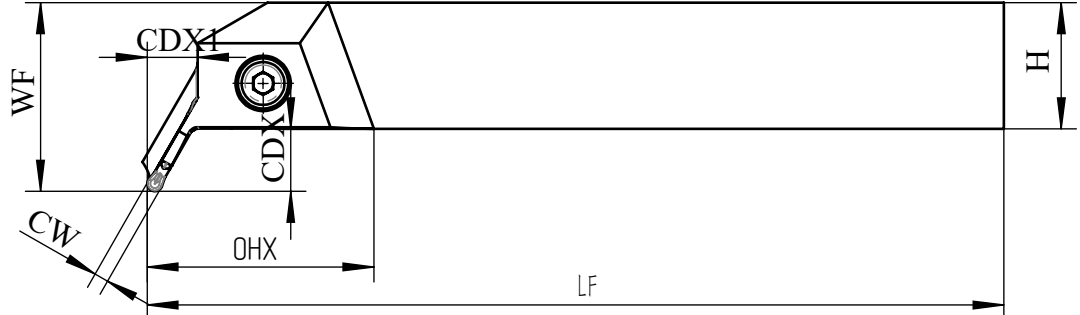
Вал ТВД



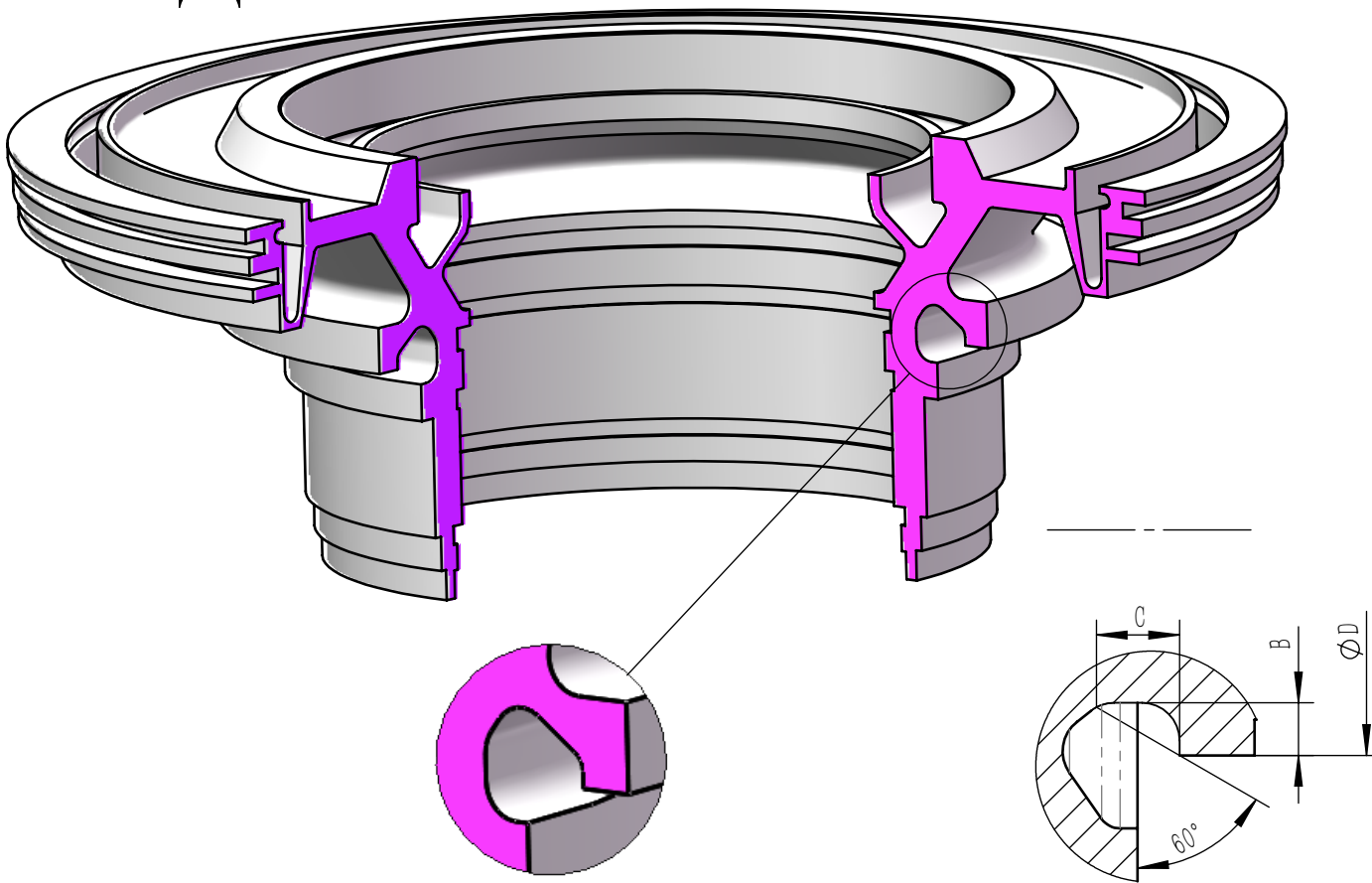
Технологический переход



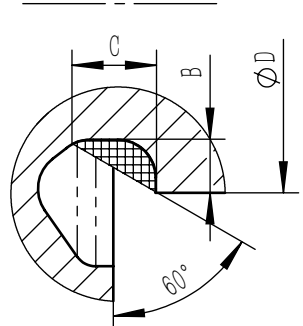
Инструмент №3



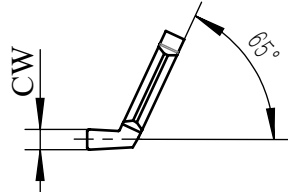
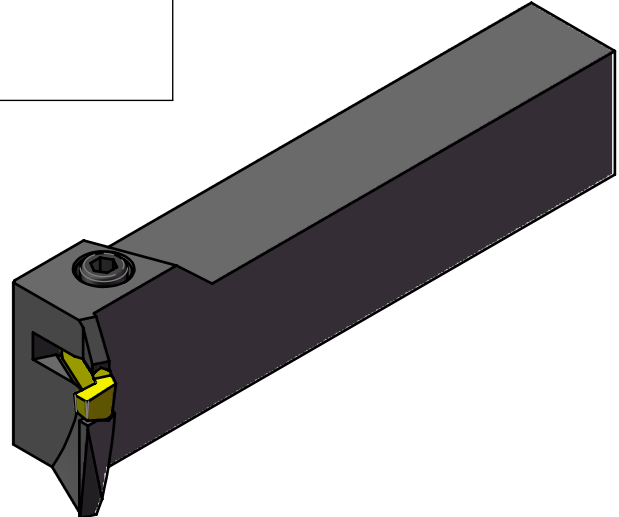
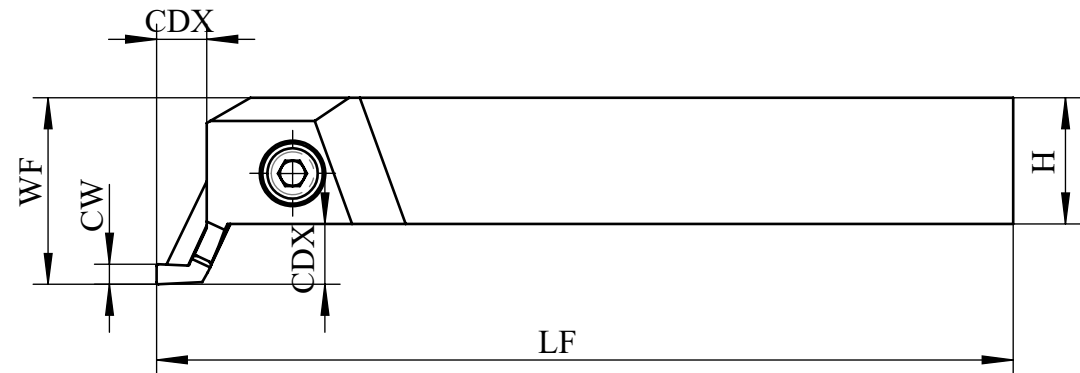
Вал ТВД



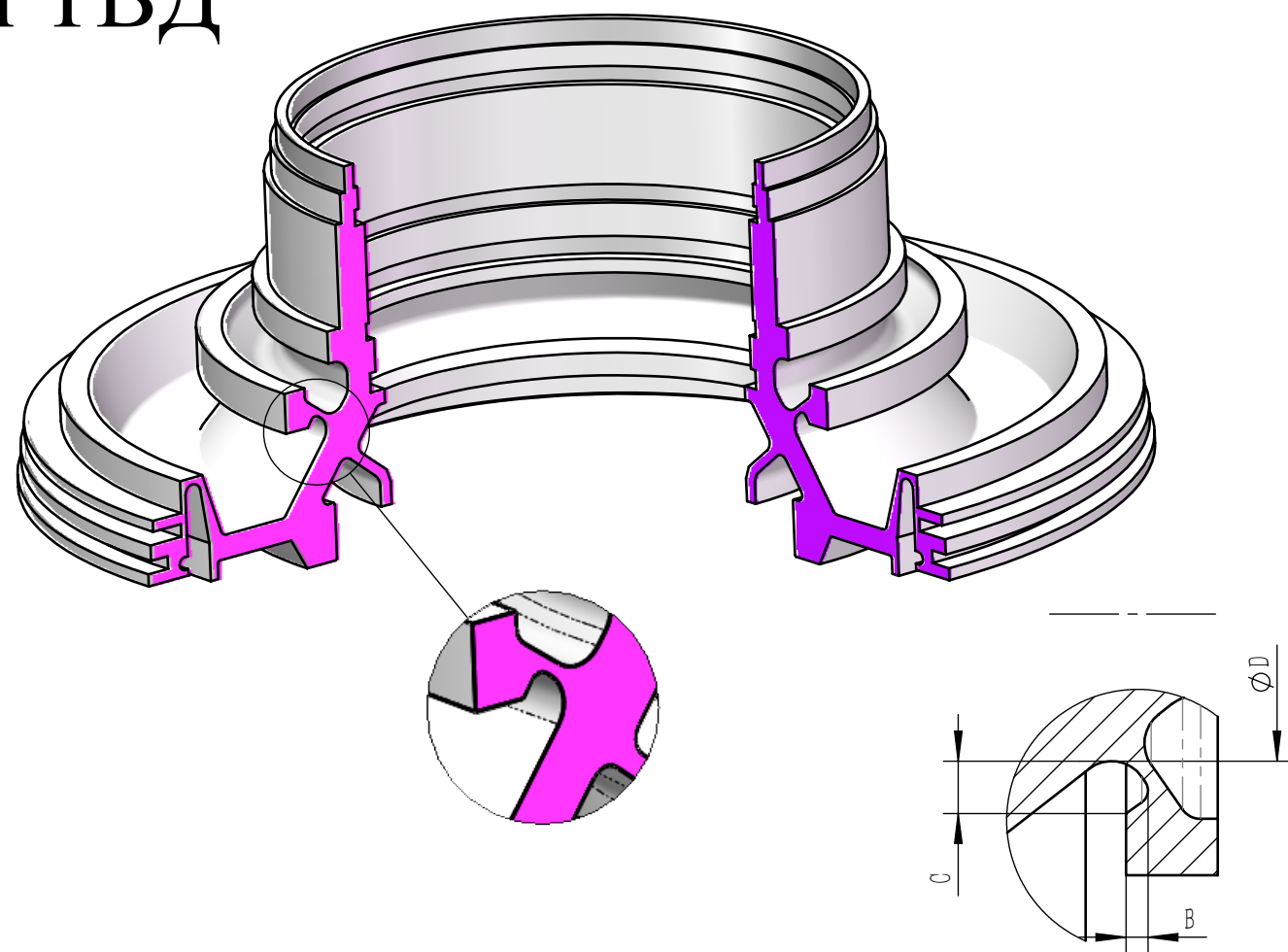
Технологический переход



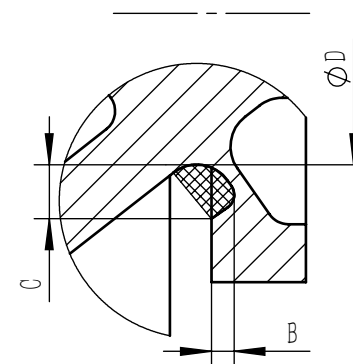
Инструмент №4



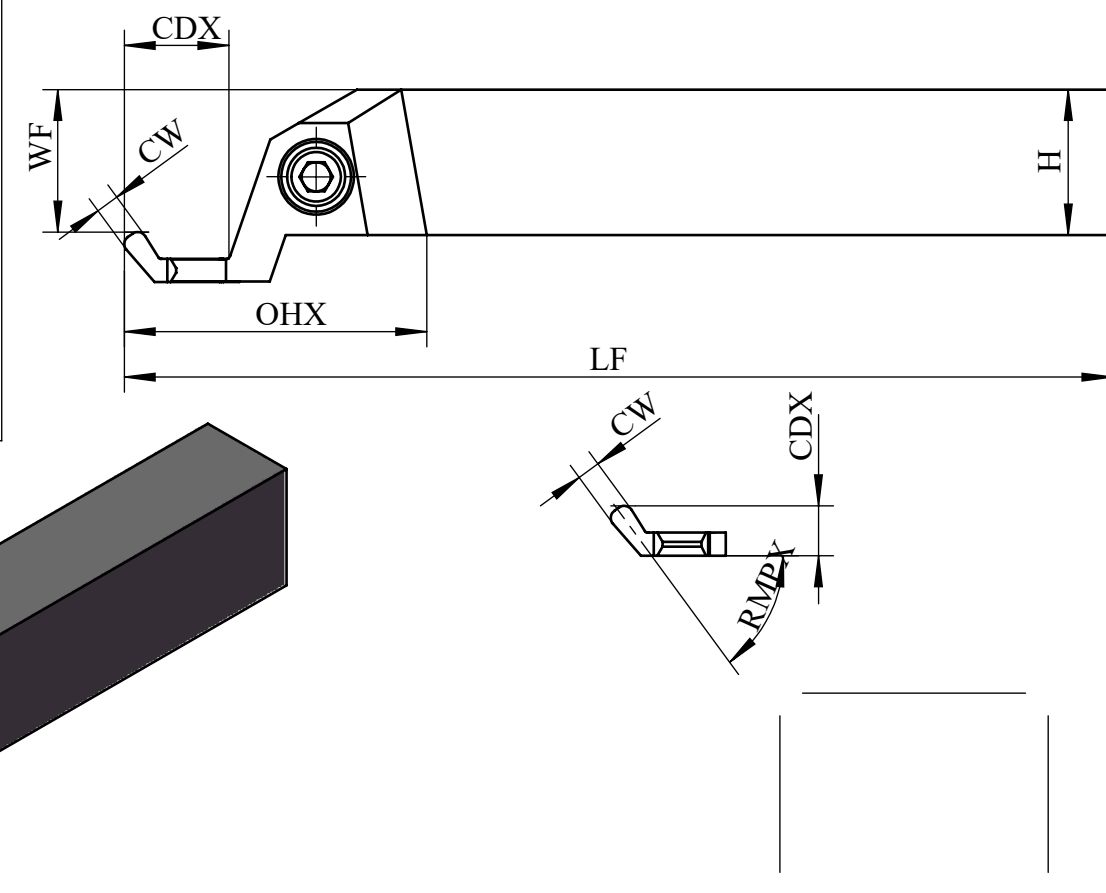
Вал ТВД



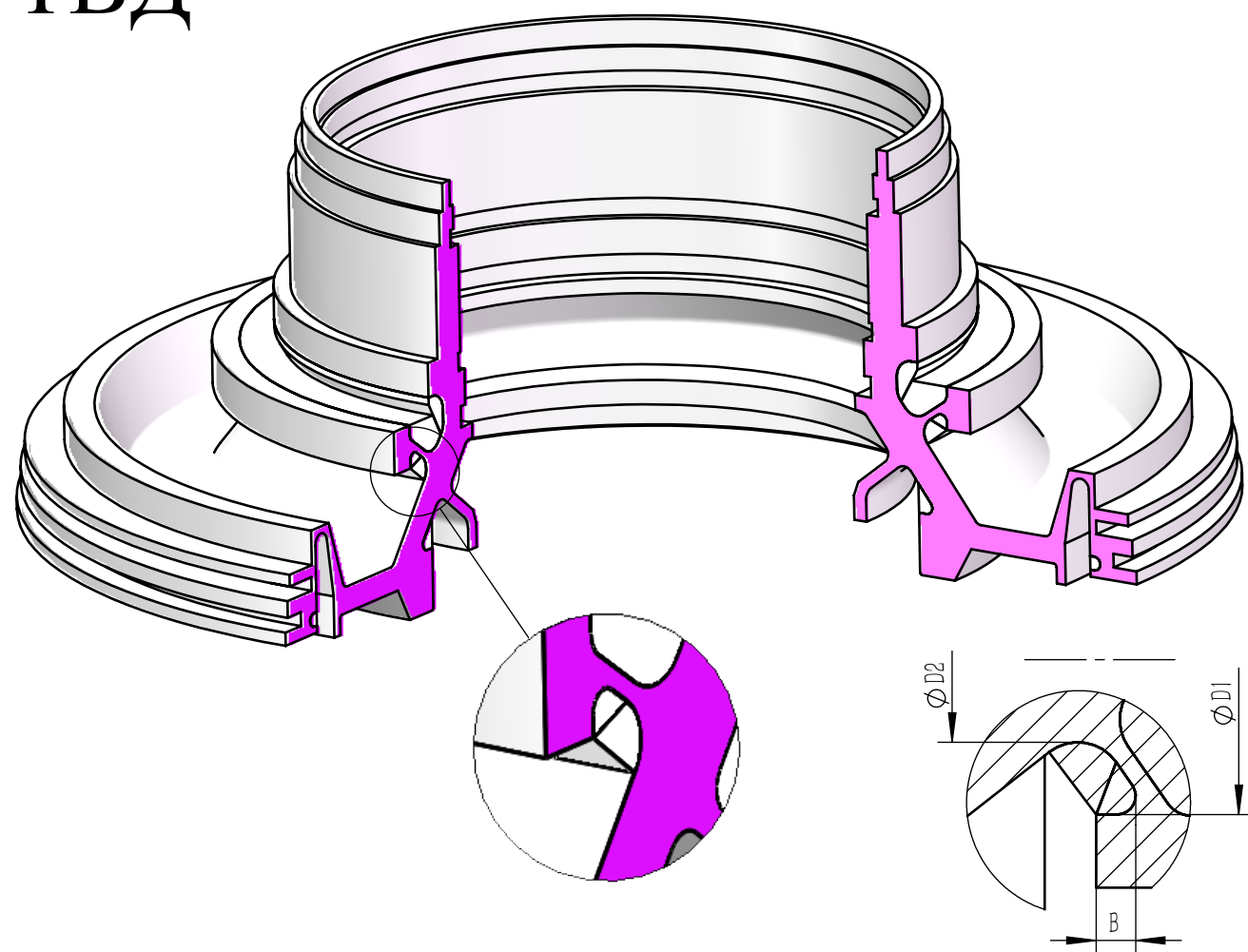
Технологический переход



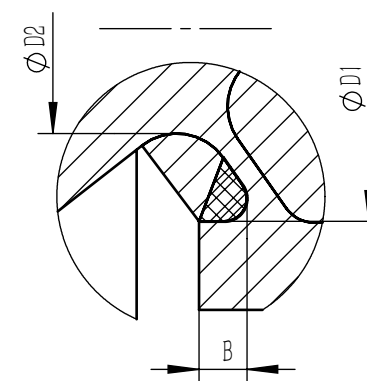
Инструмент №5



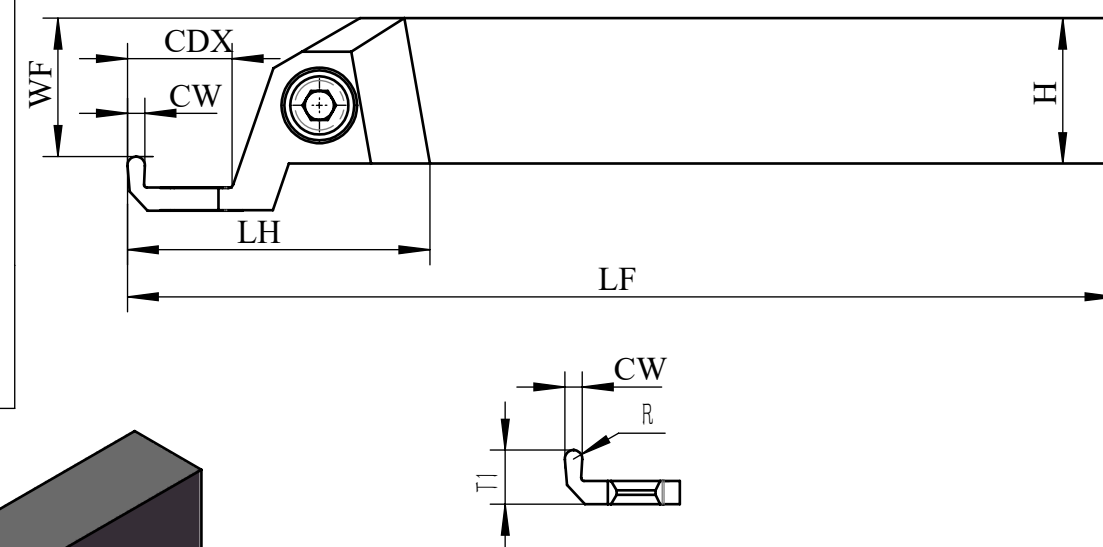
Вал ТВД



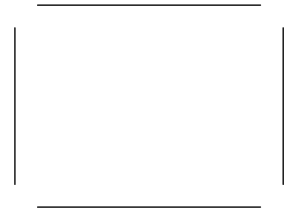
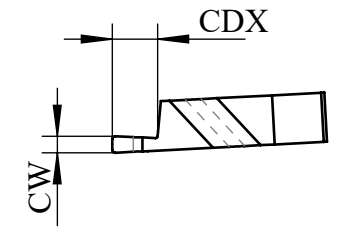
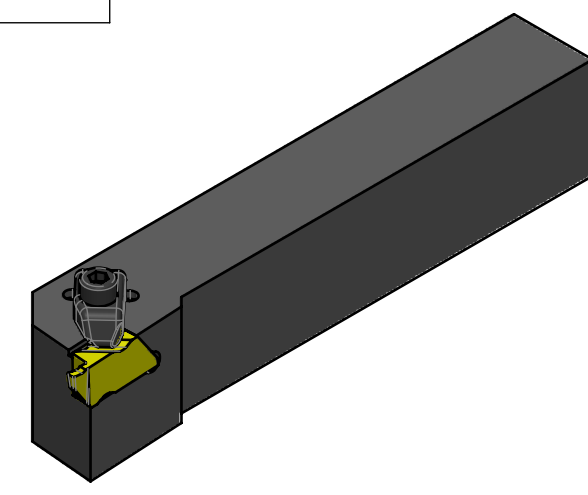
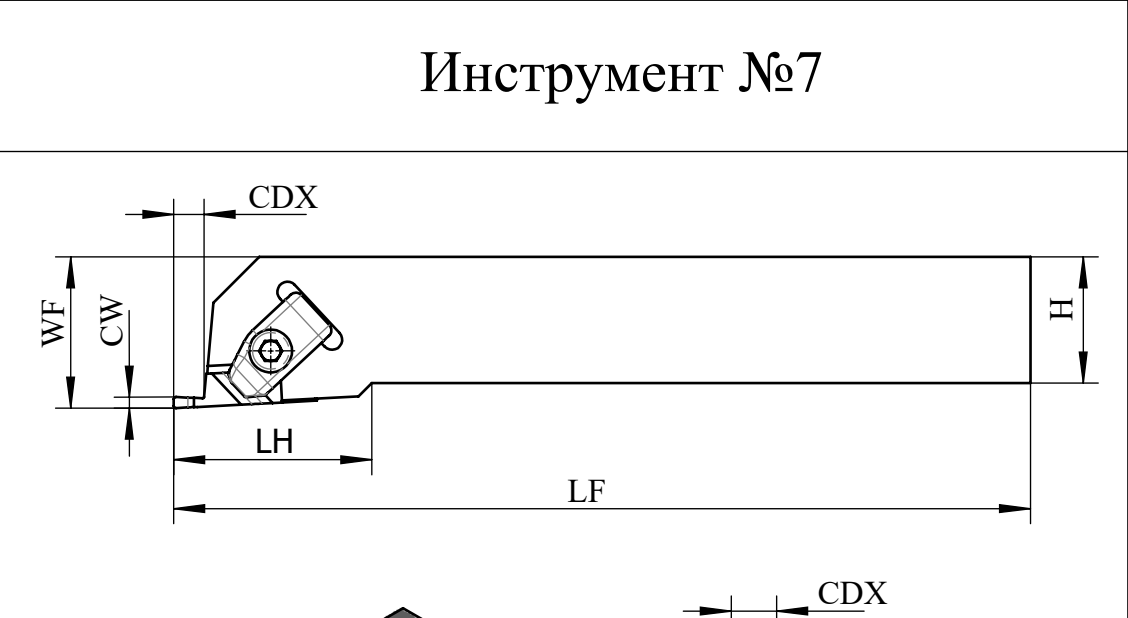
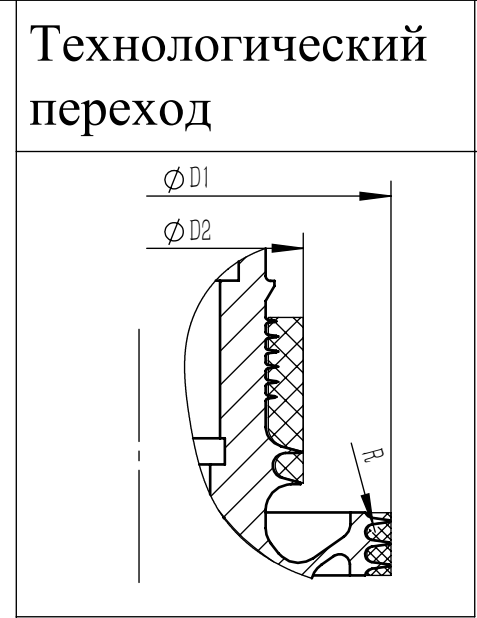
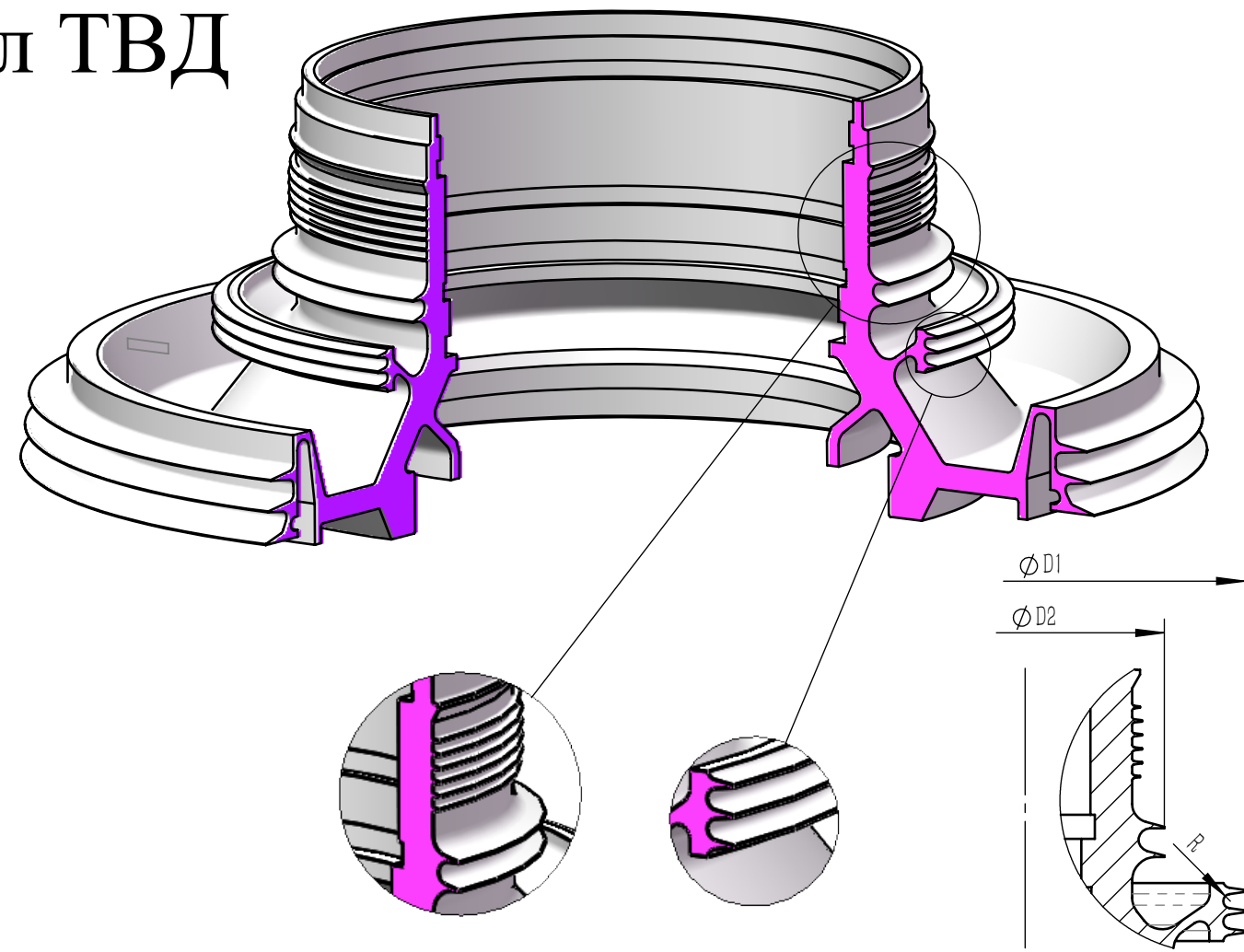
Технологический переход



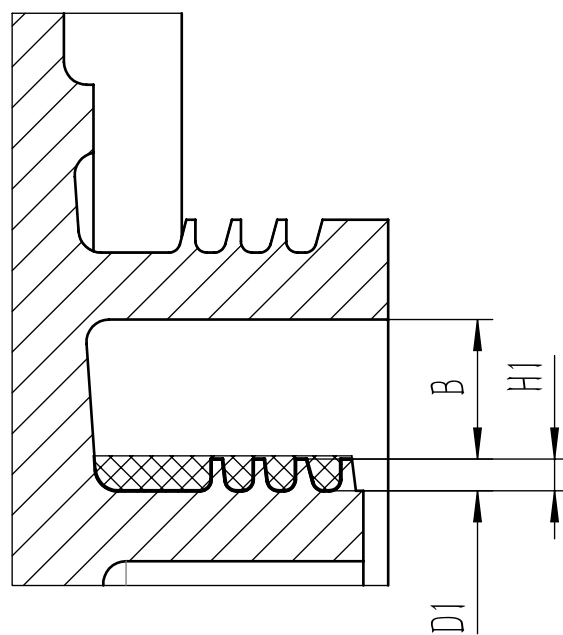
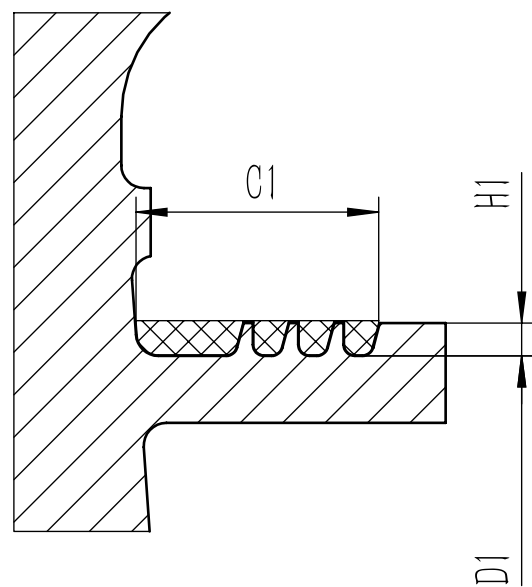
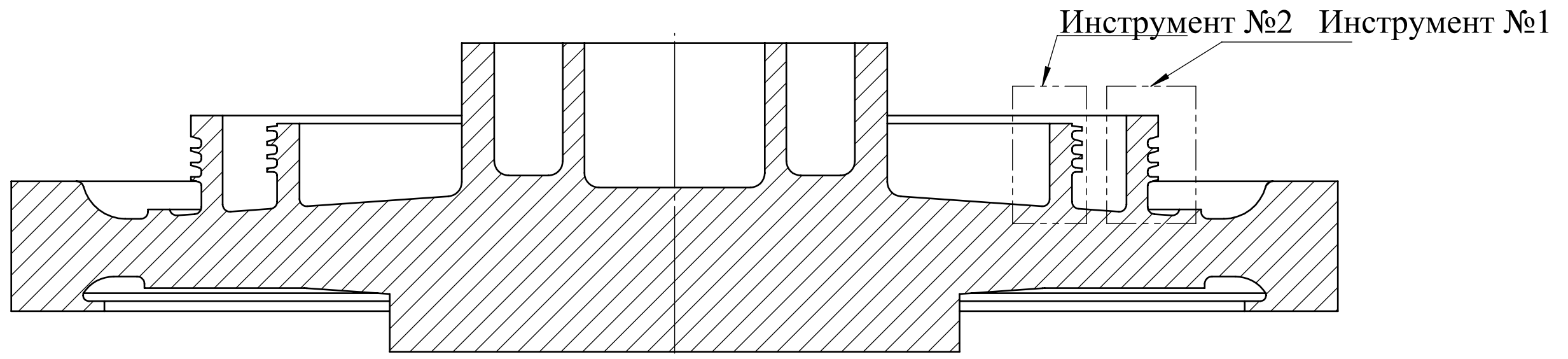
Инструмент №6



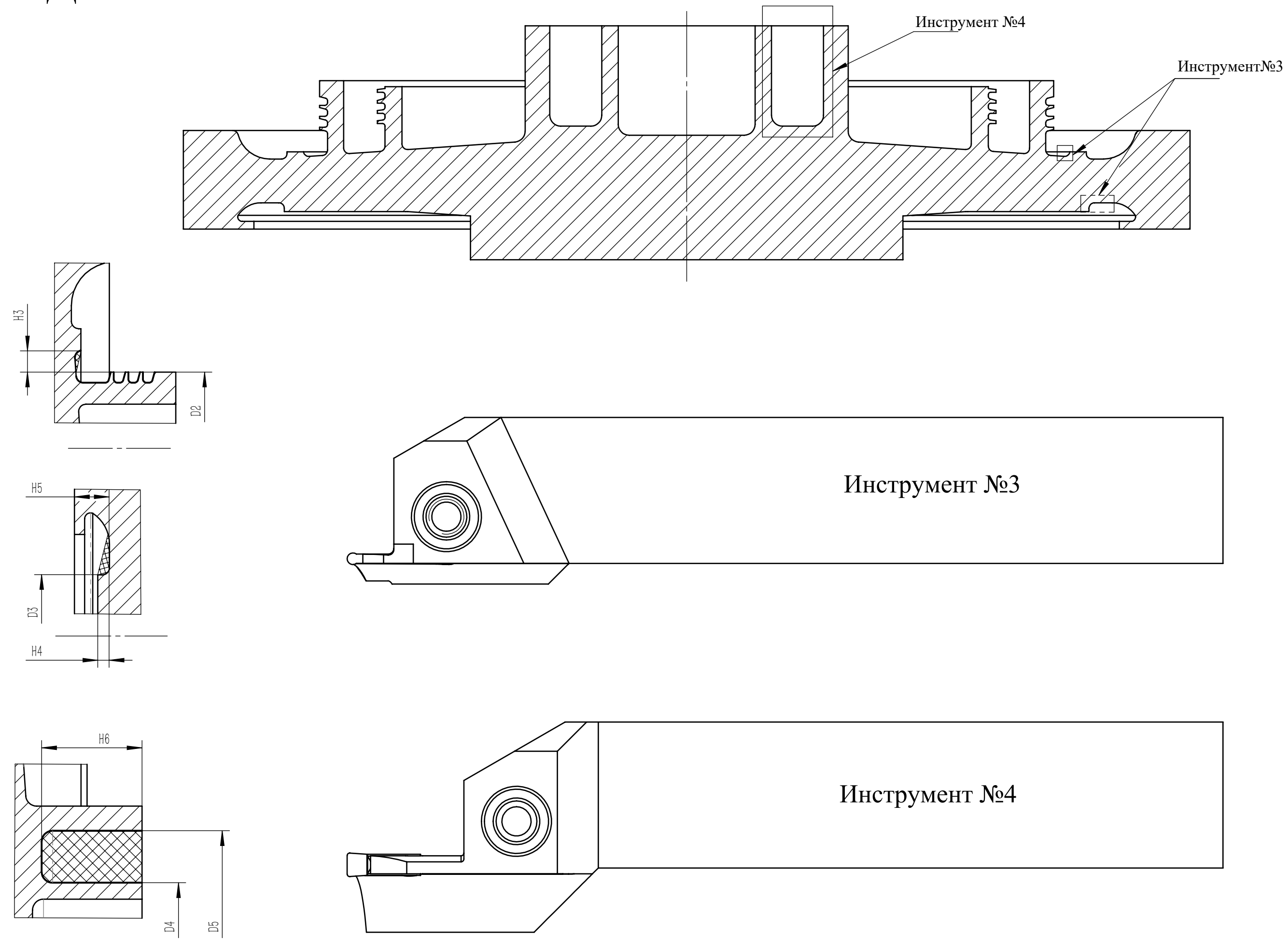
Вал ТВД



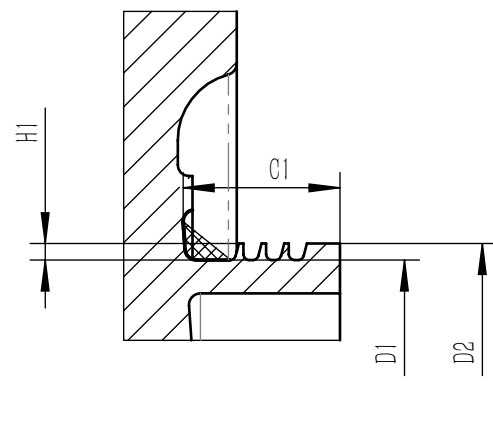
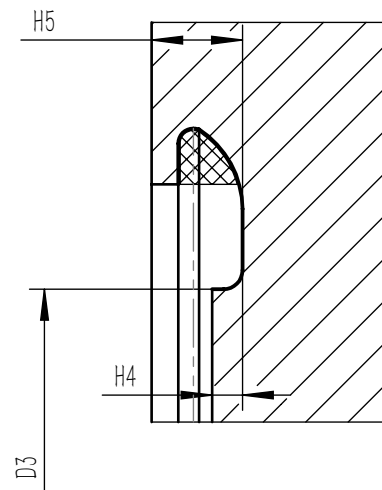
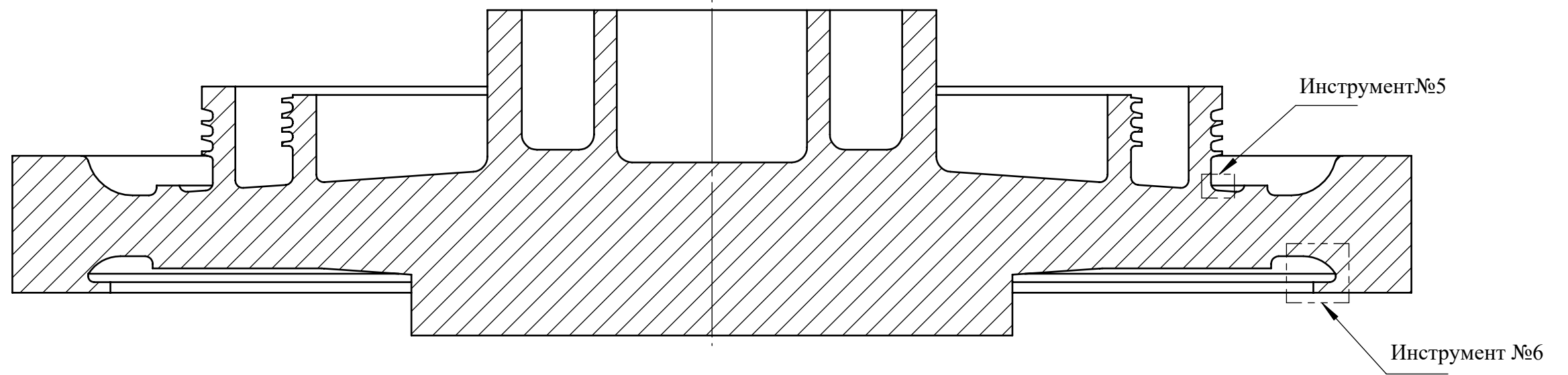
Диск ТНД



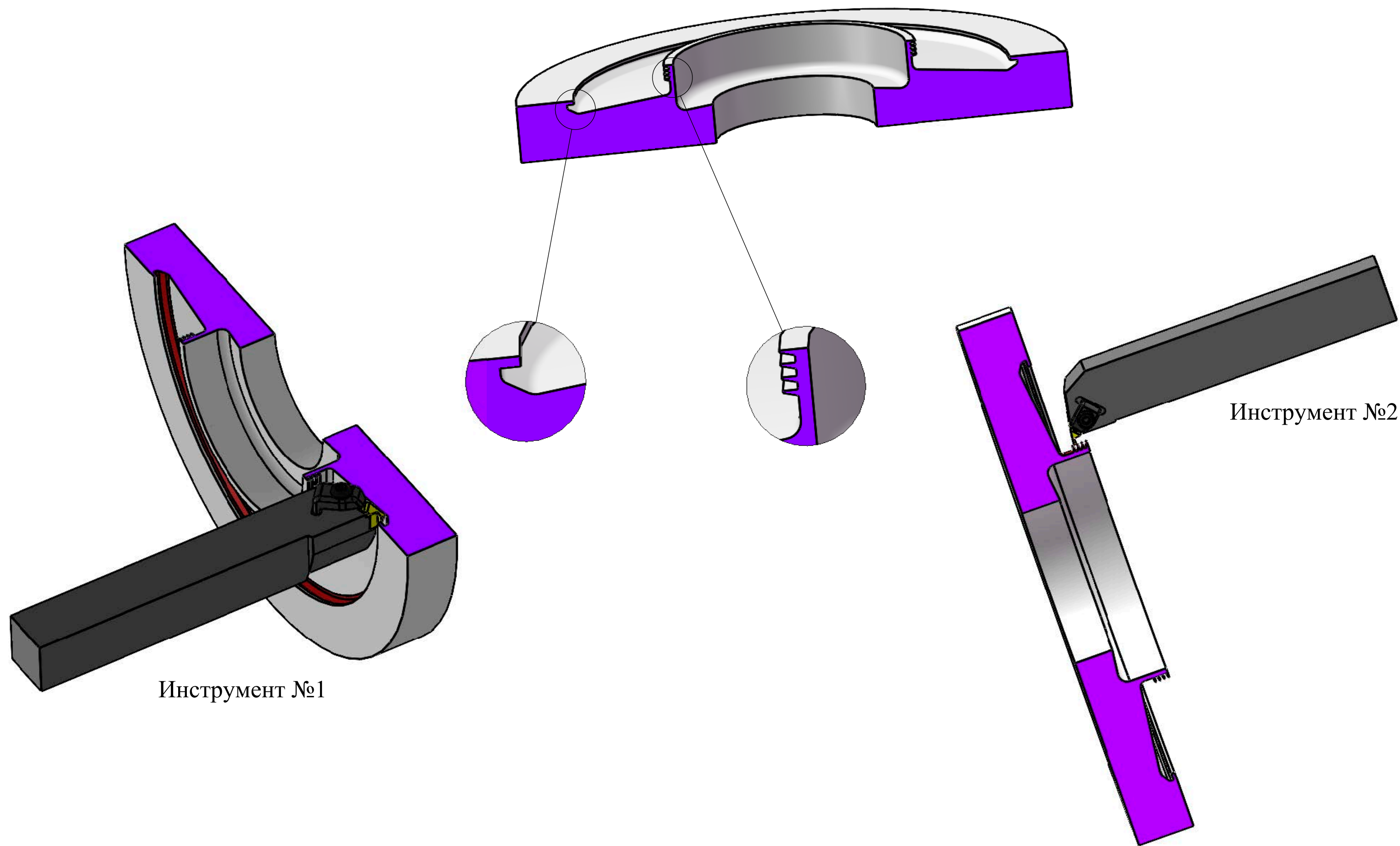
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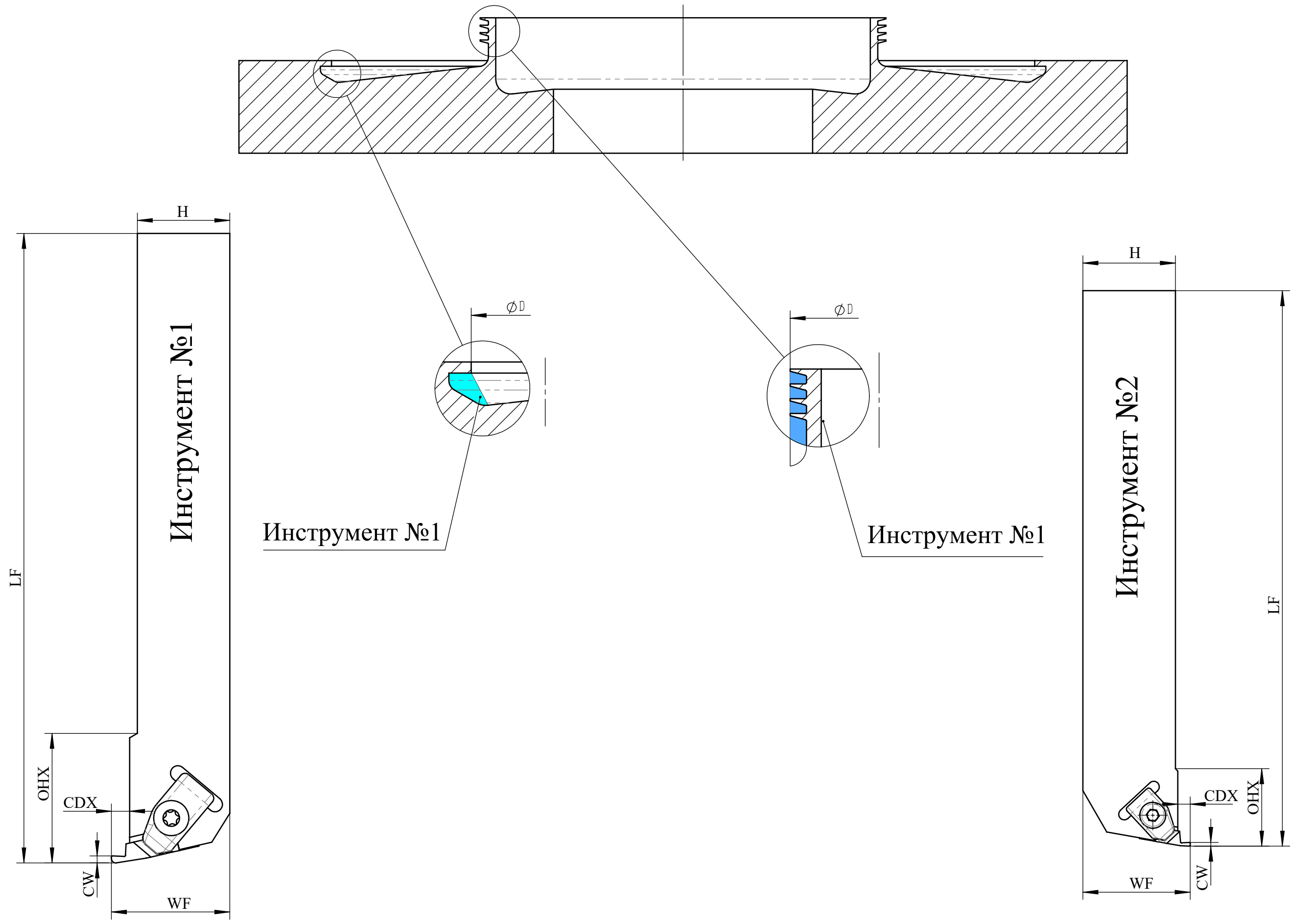
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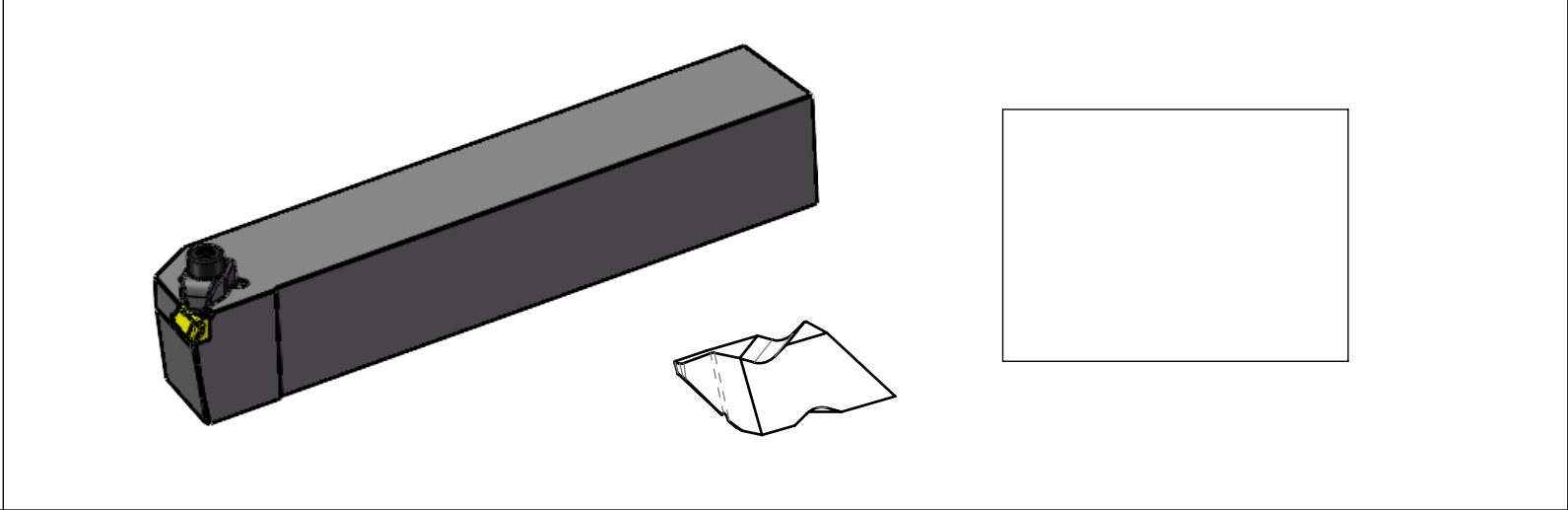
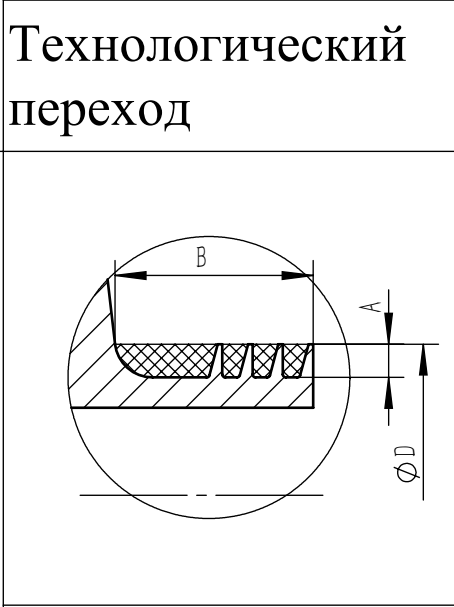
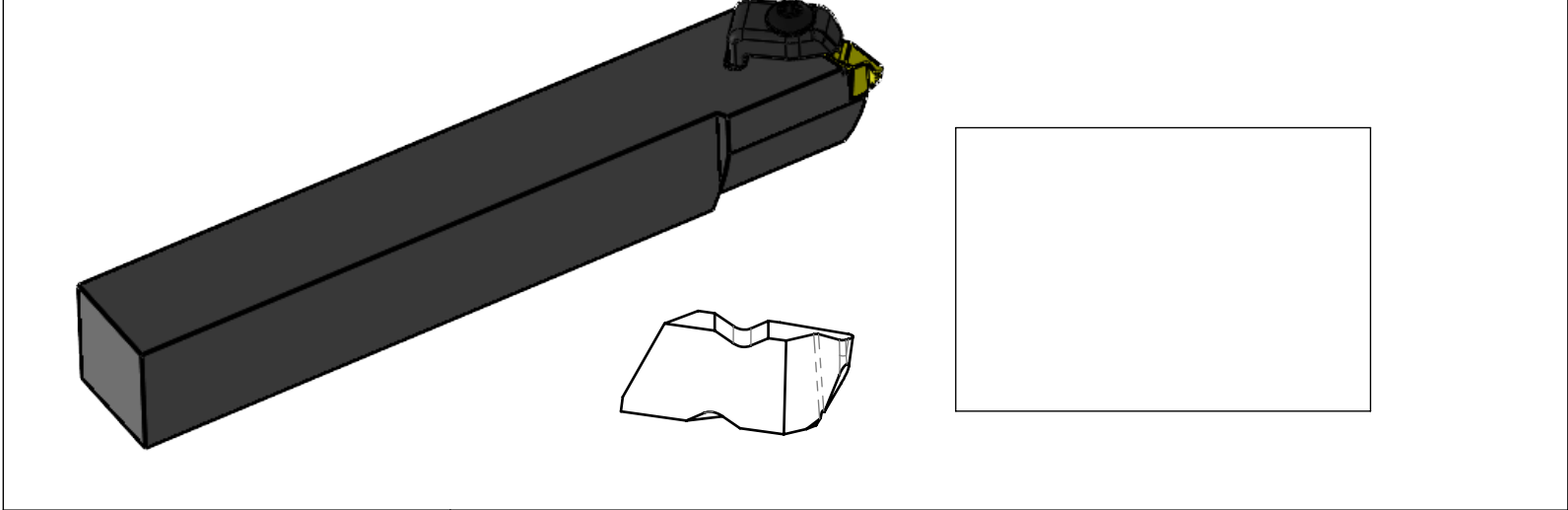
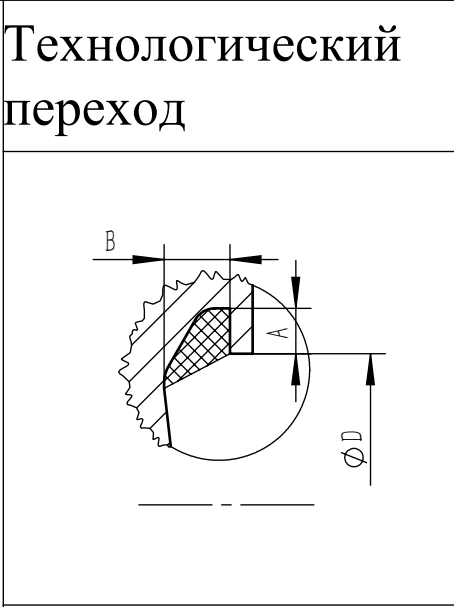
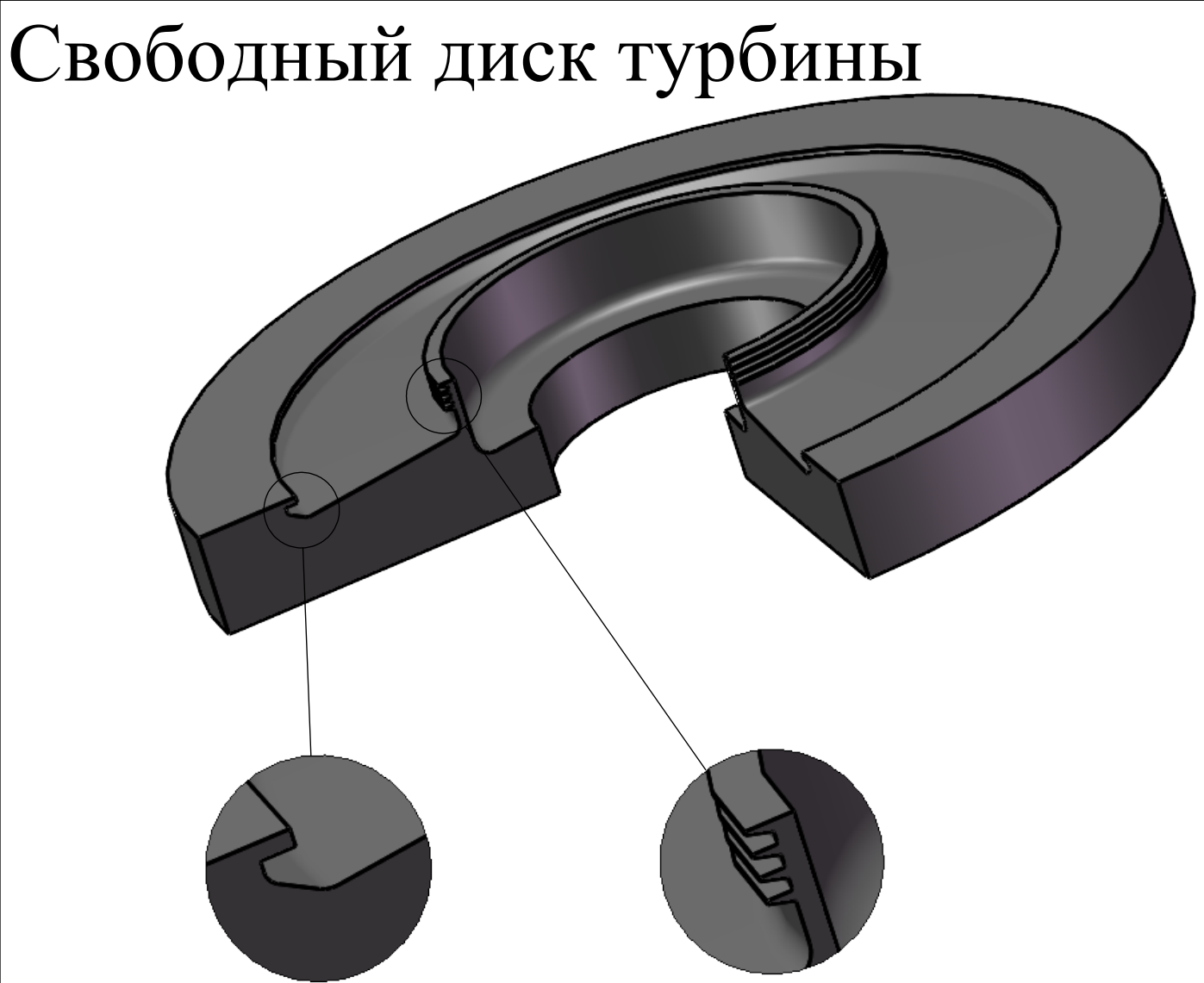


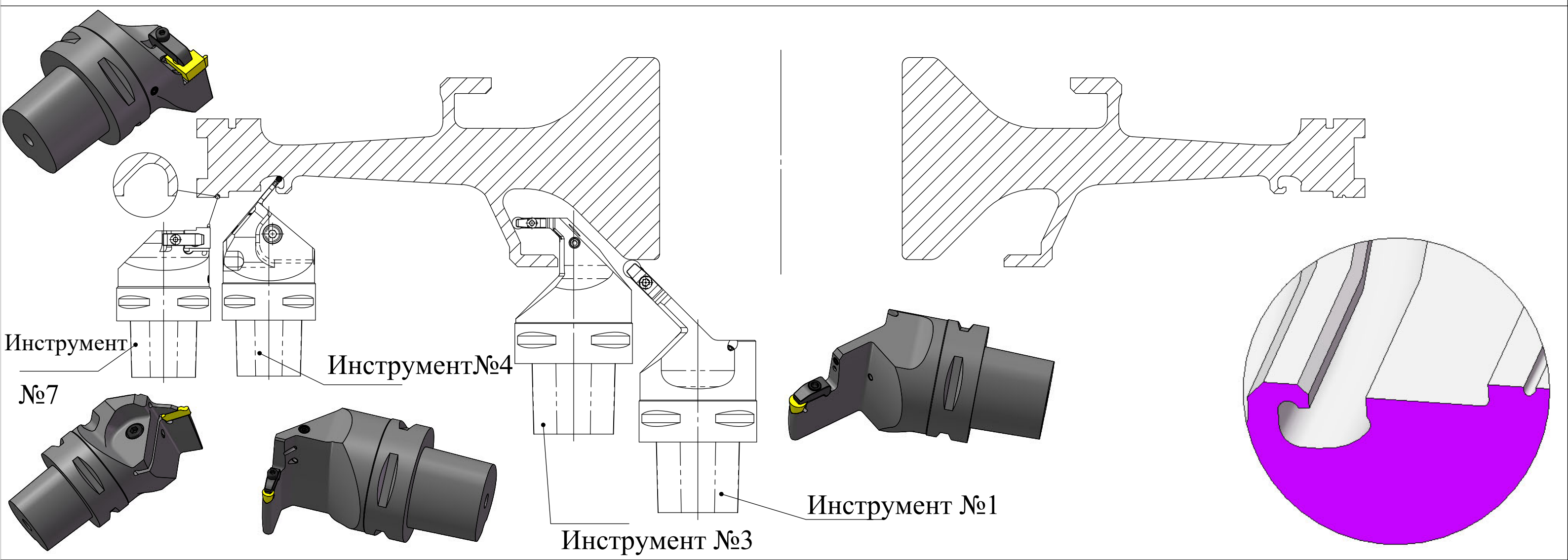
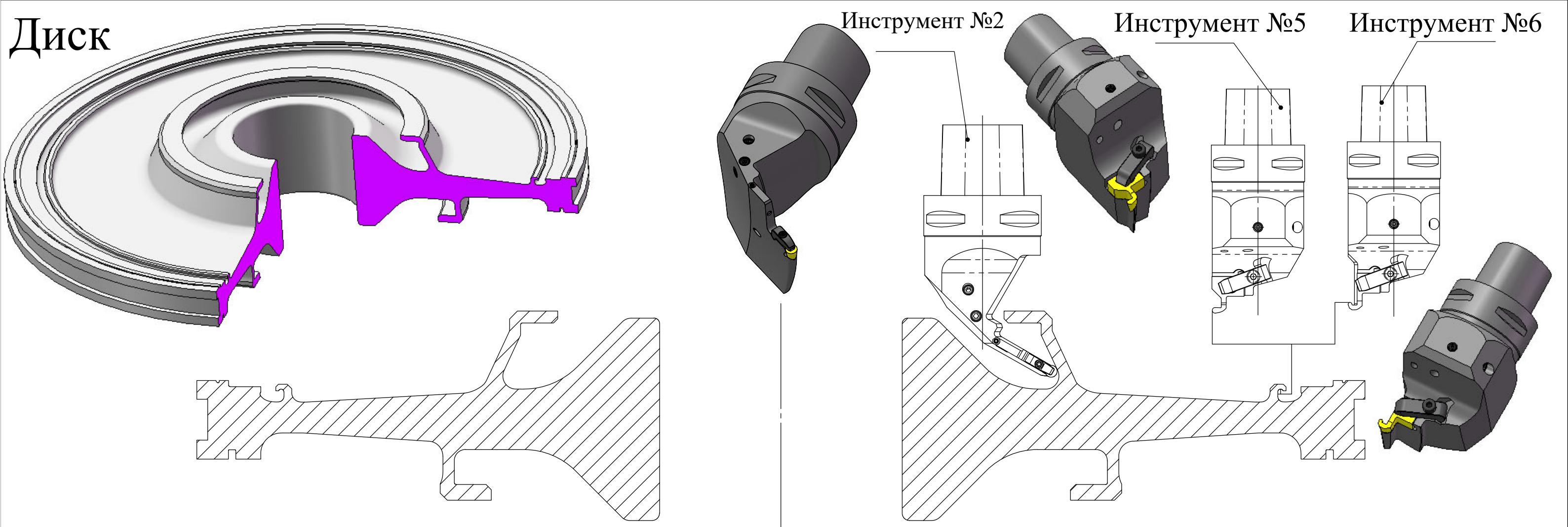
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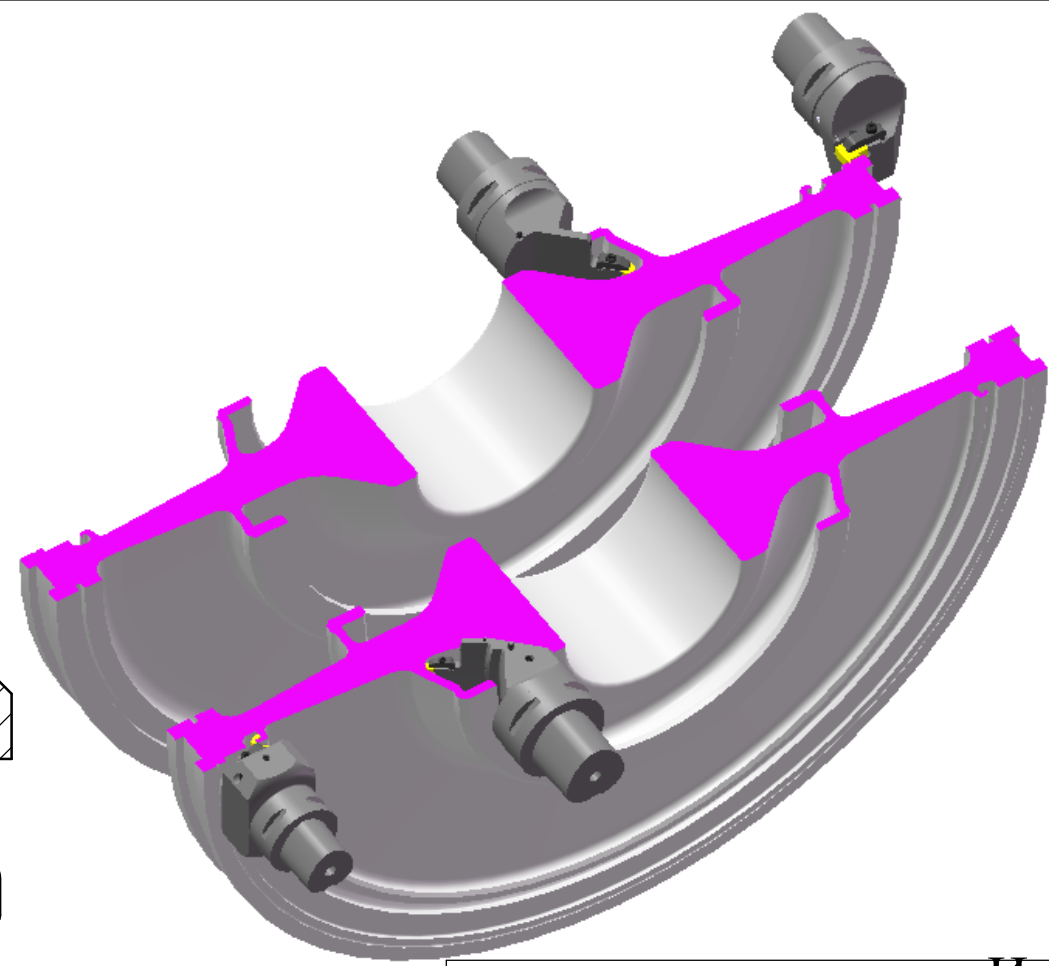
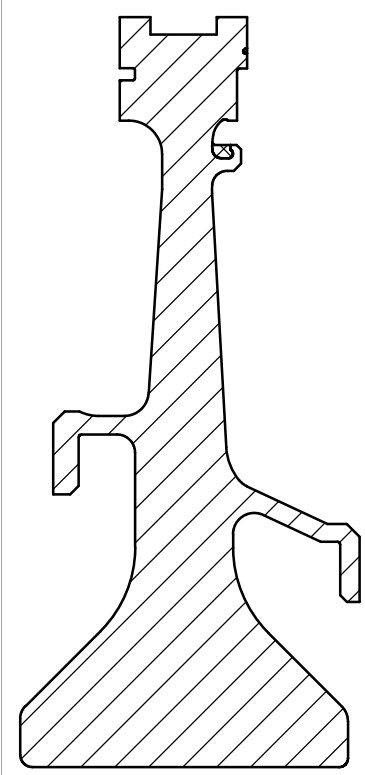
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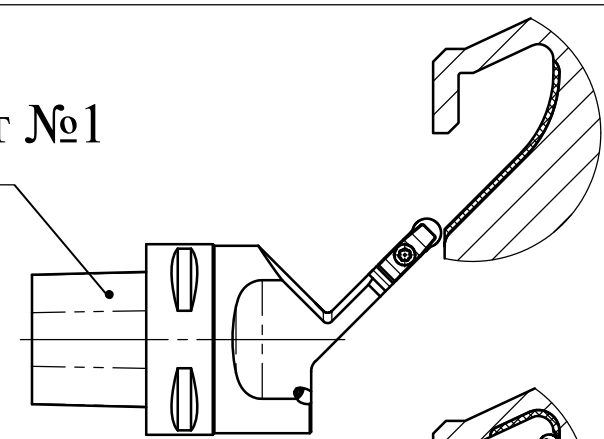




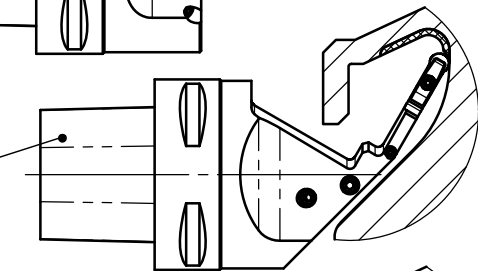
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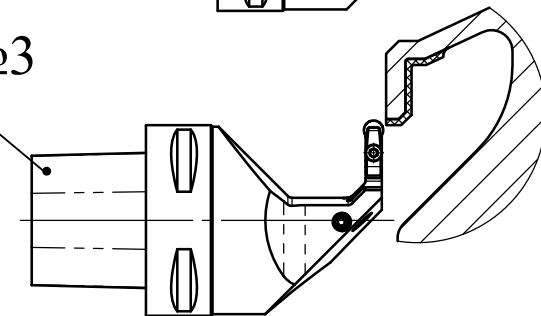
Инструмент №1



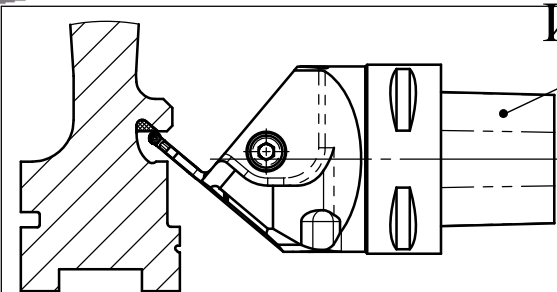
Инструмент №2



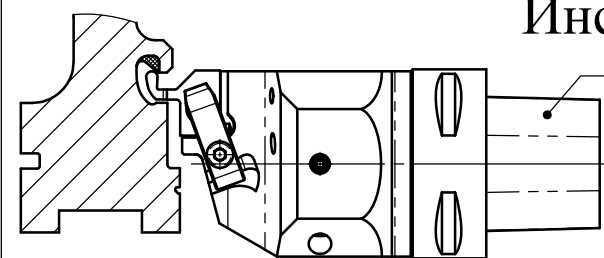
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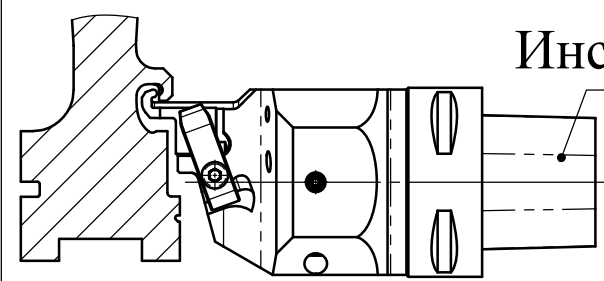
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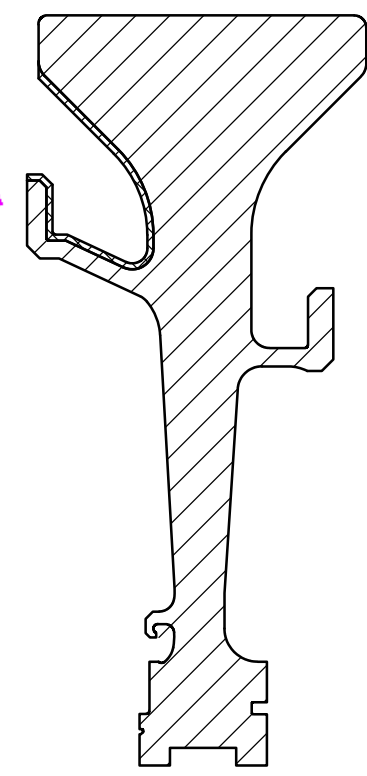
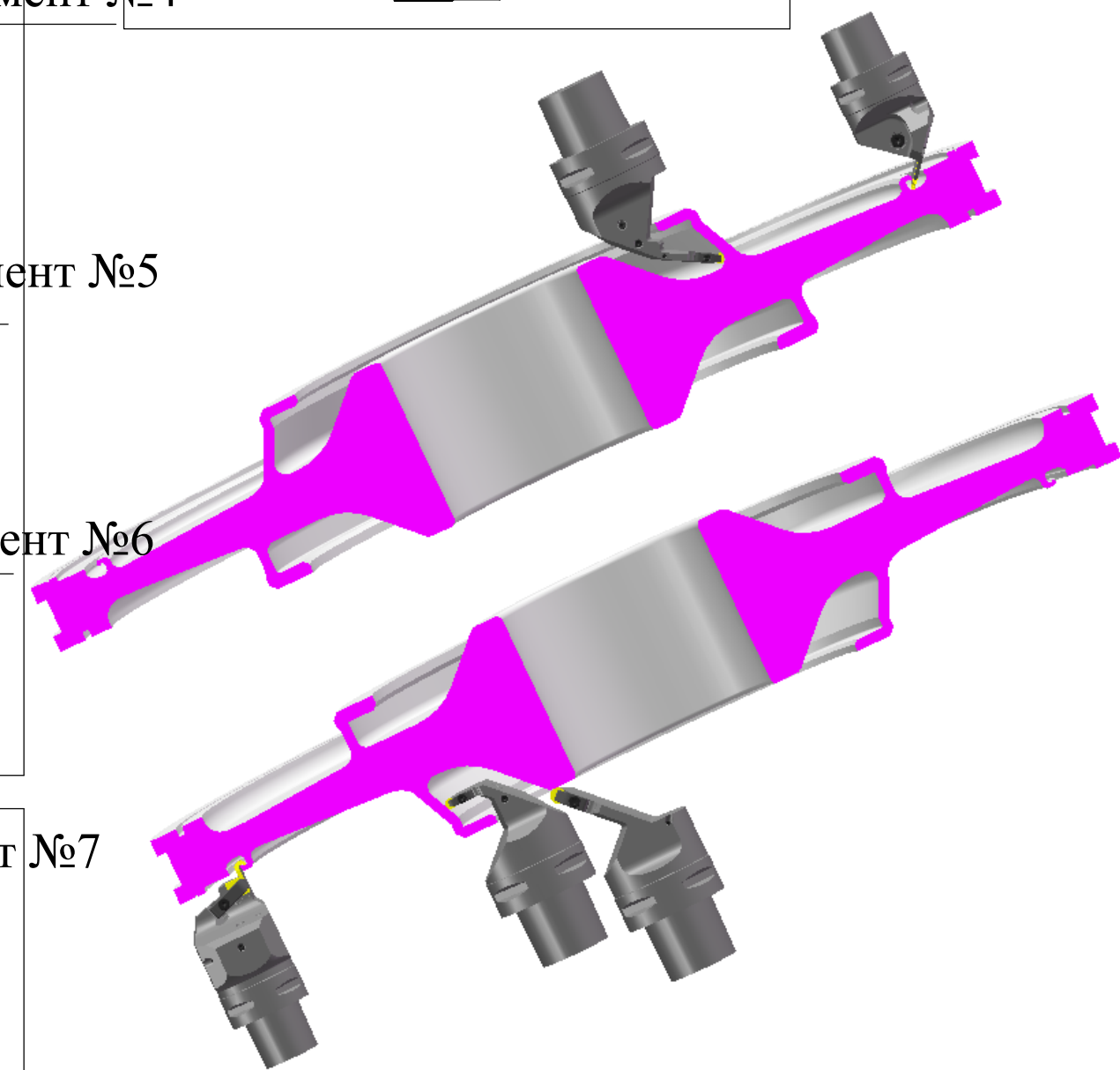
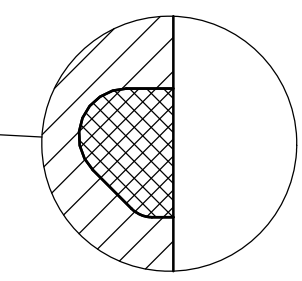
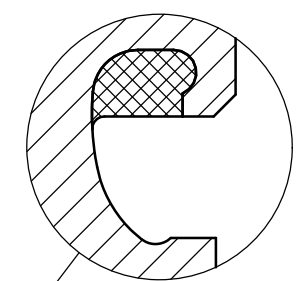
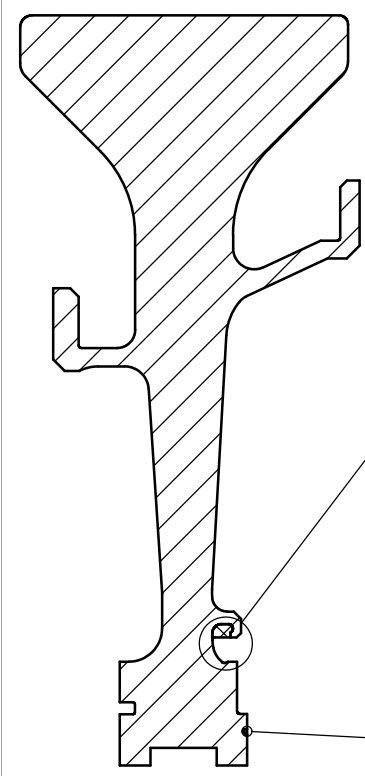
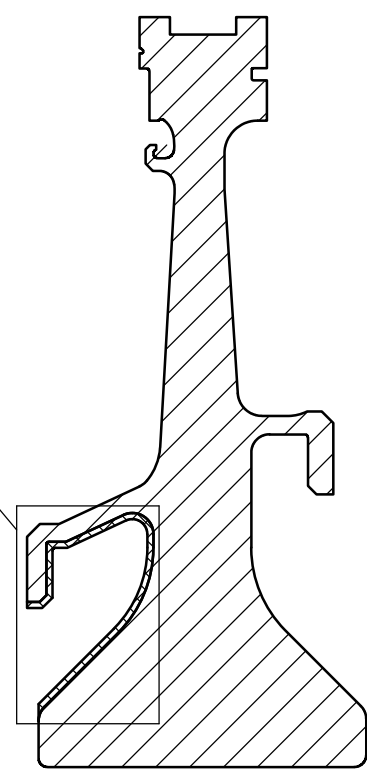
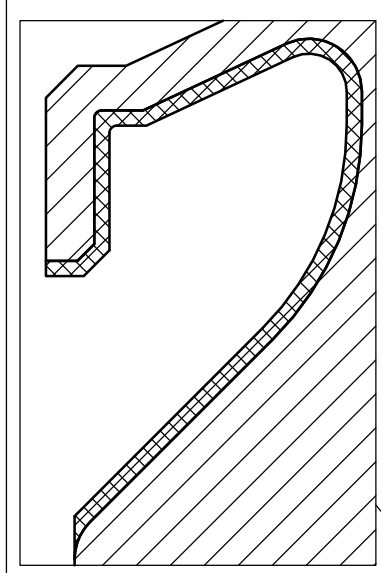
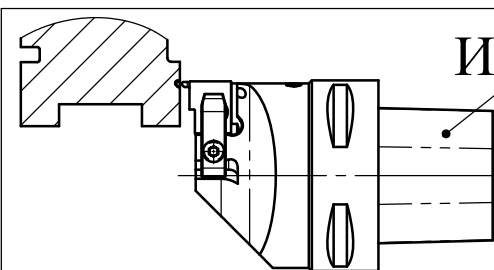
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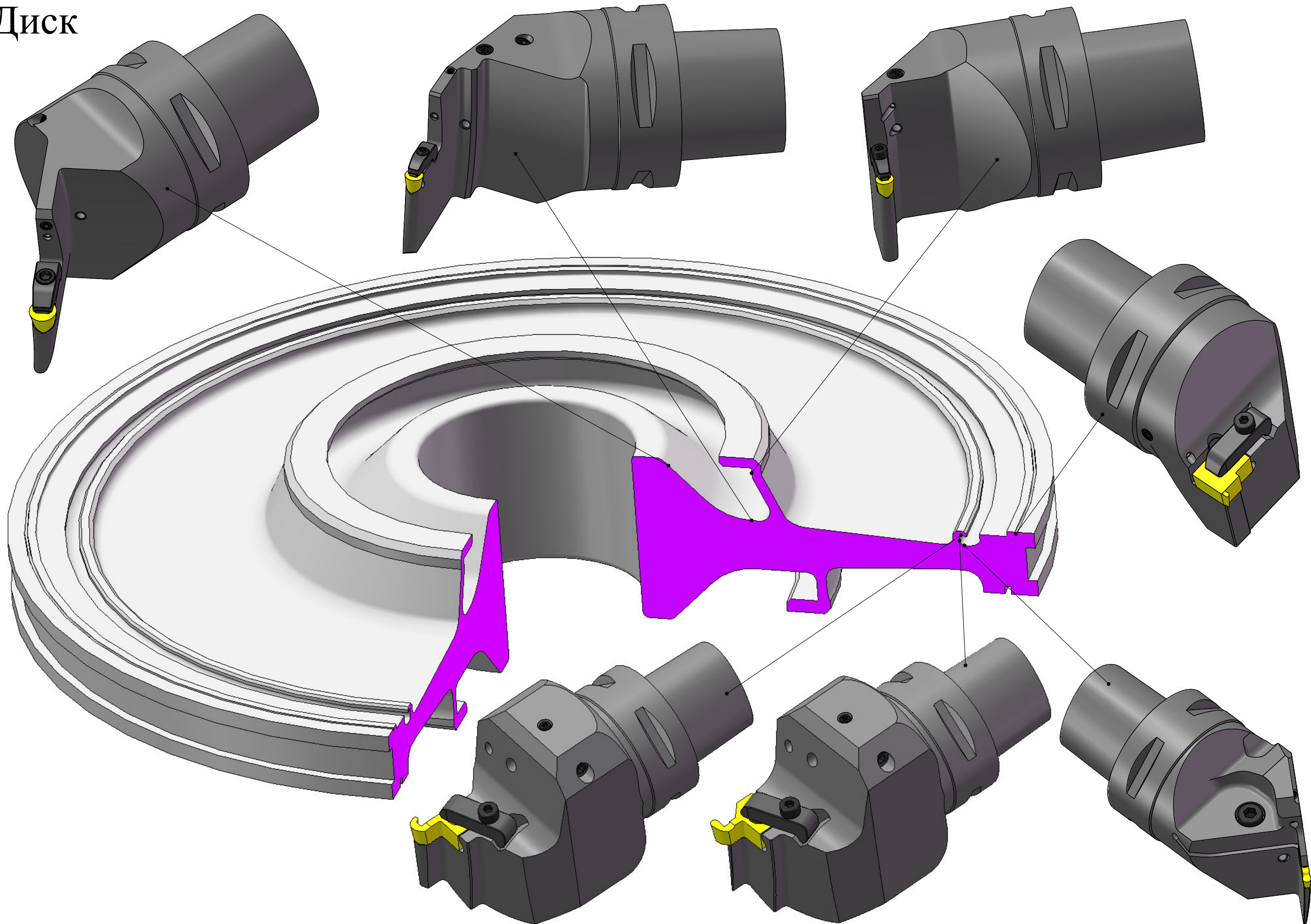
Инструмент №6

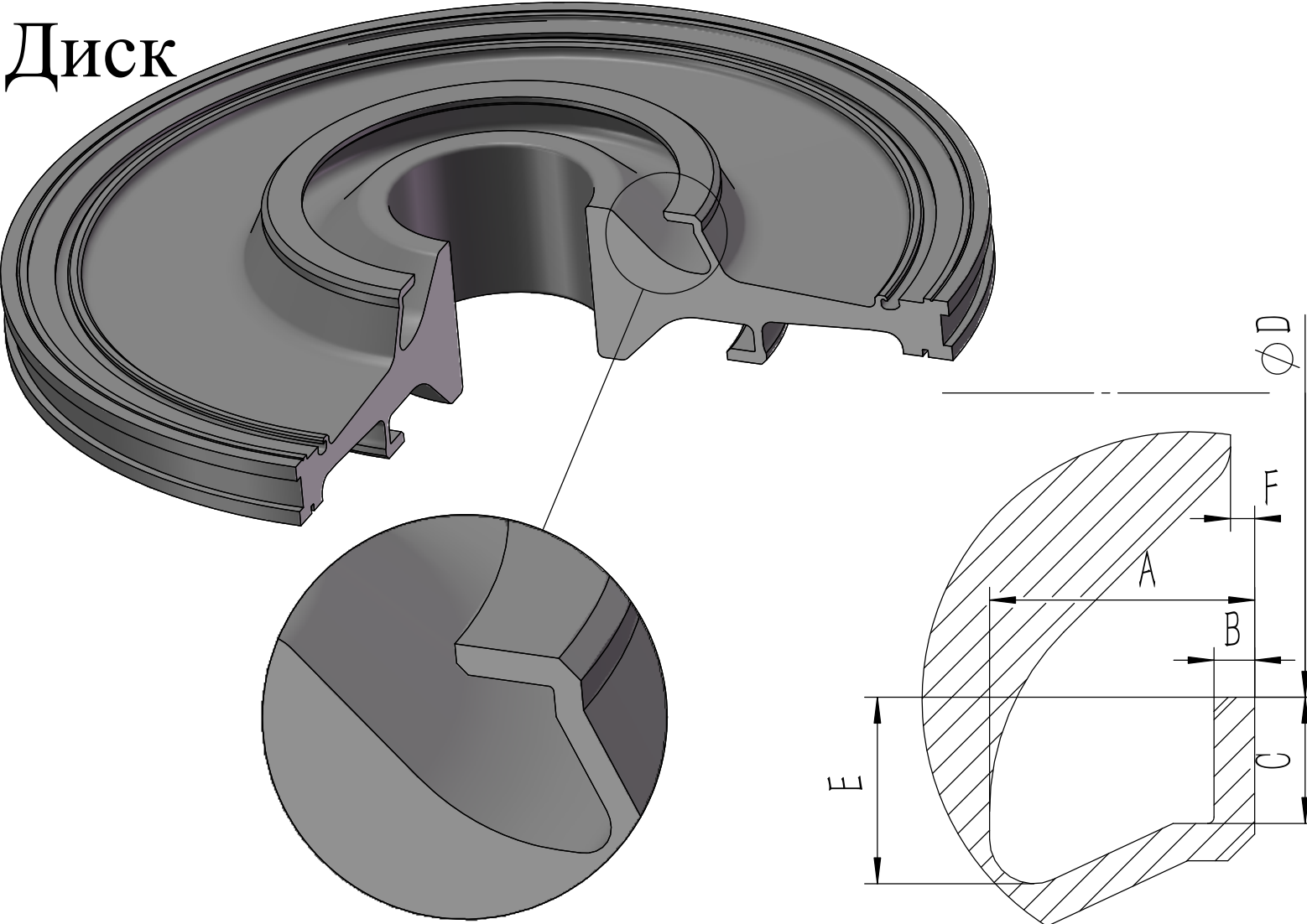
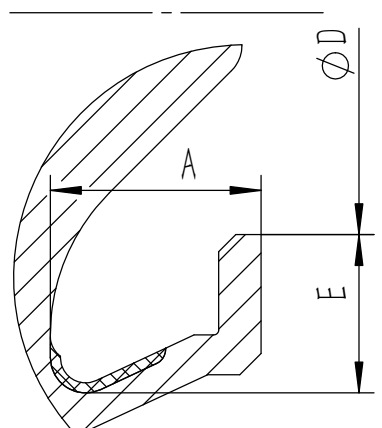
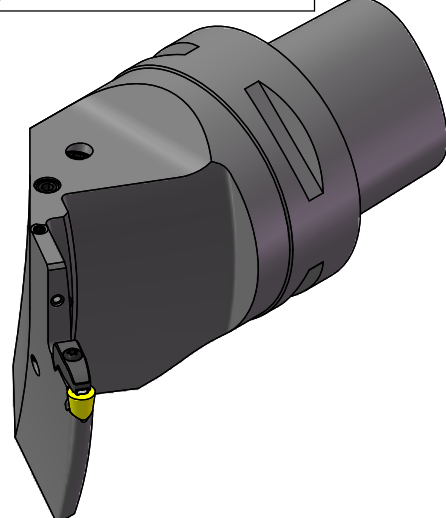
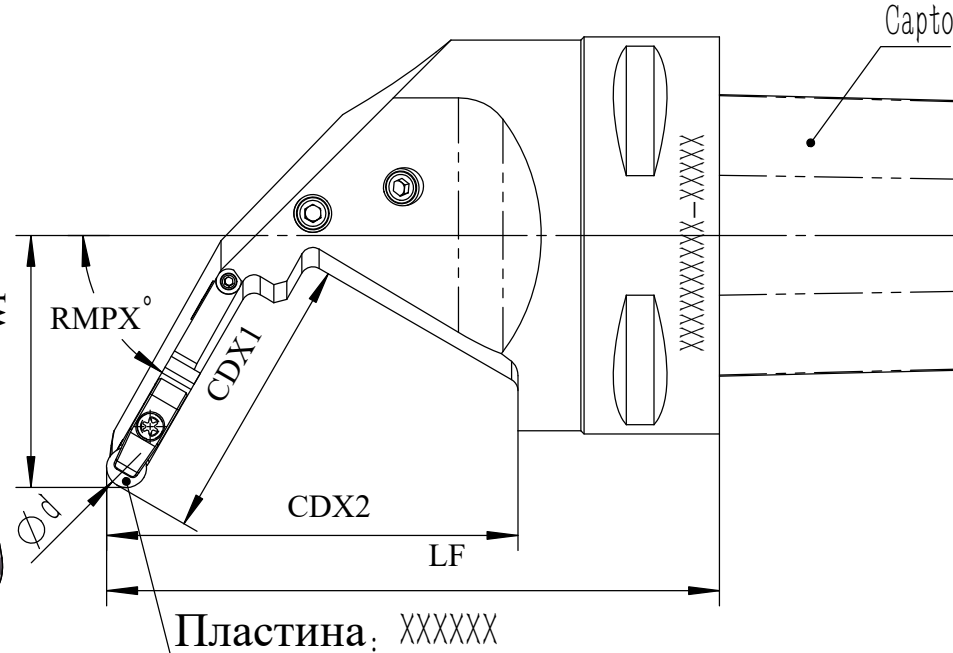
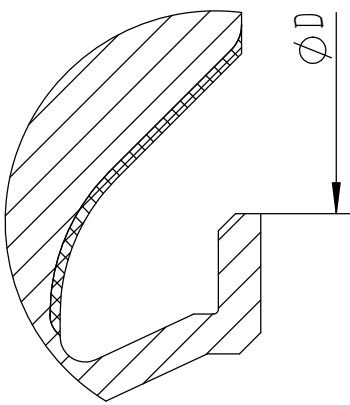
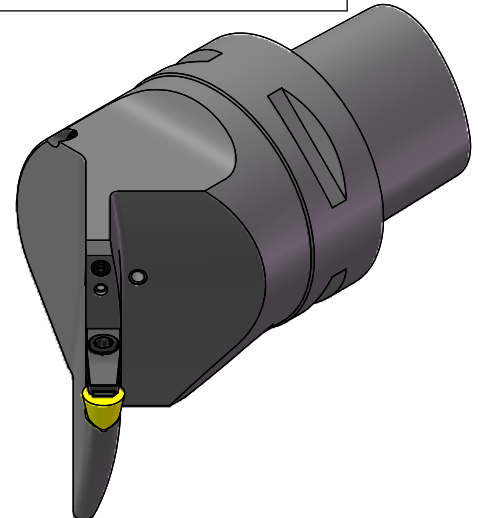
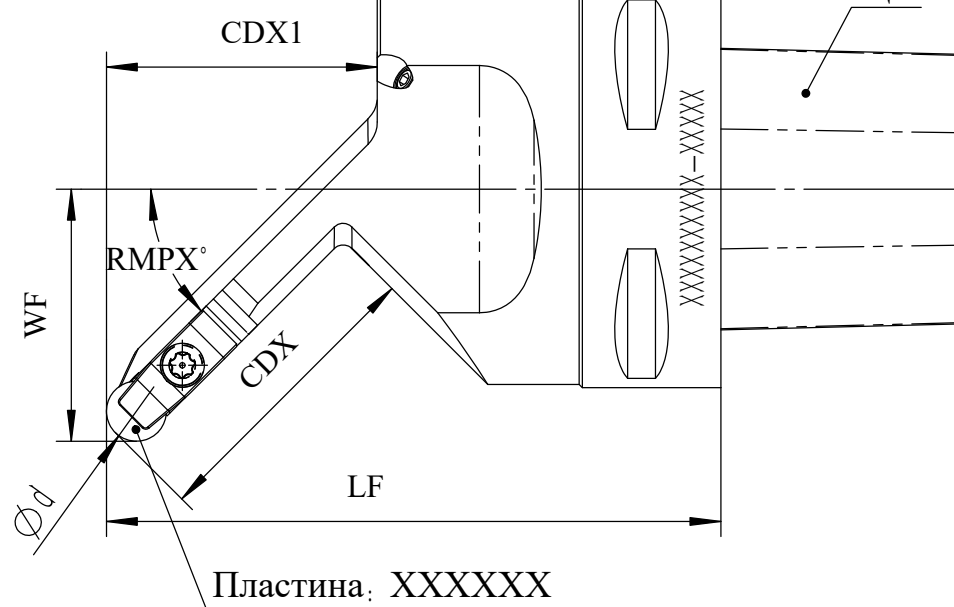
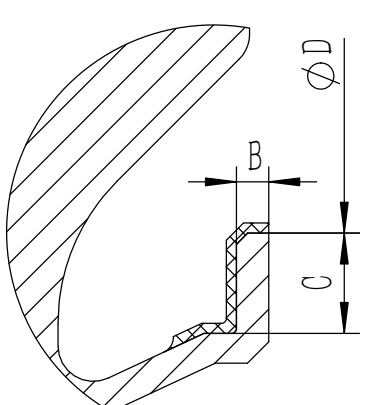
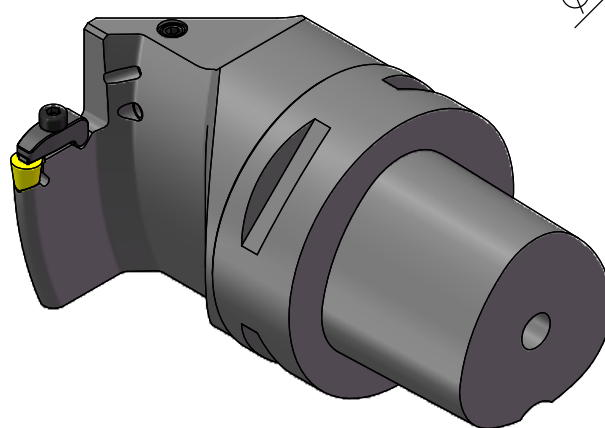
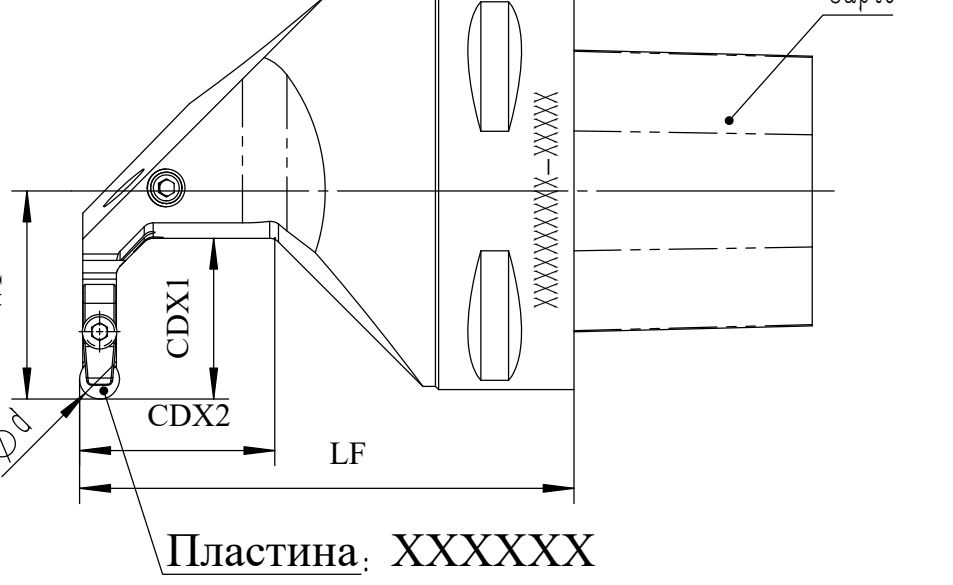


Инструмент №7

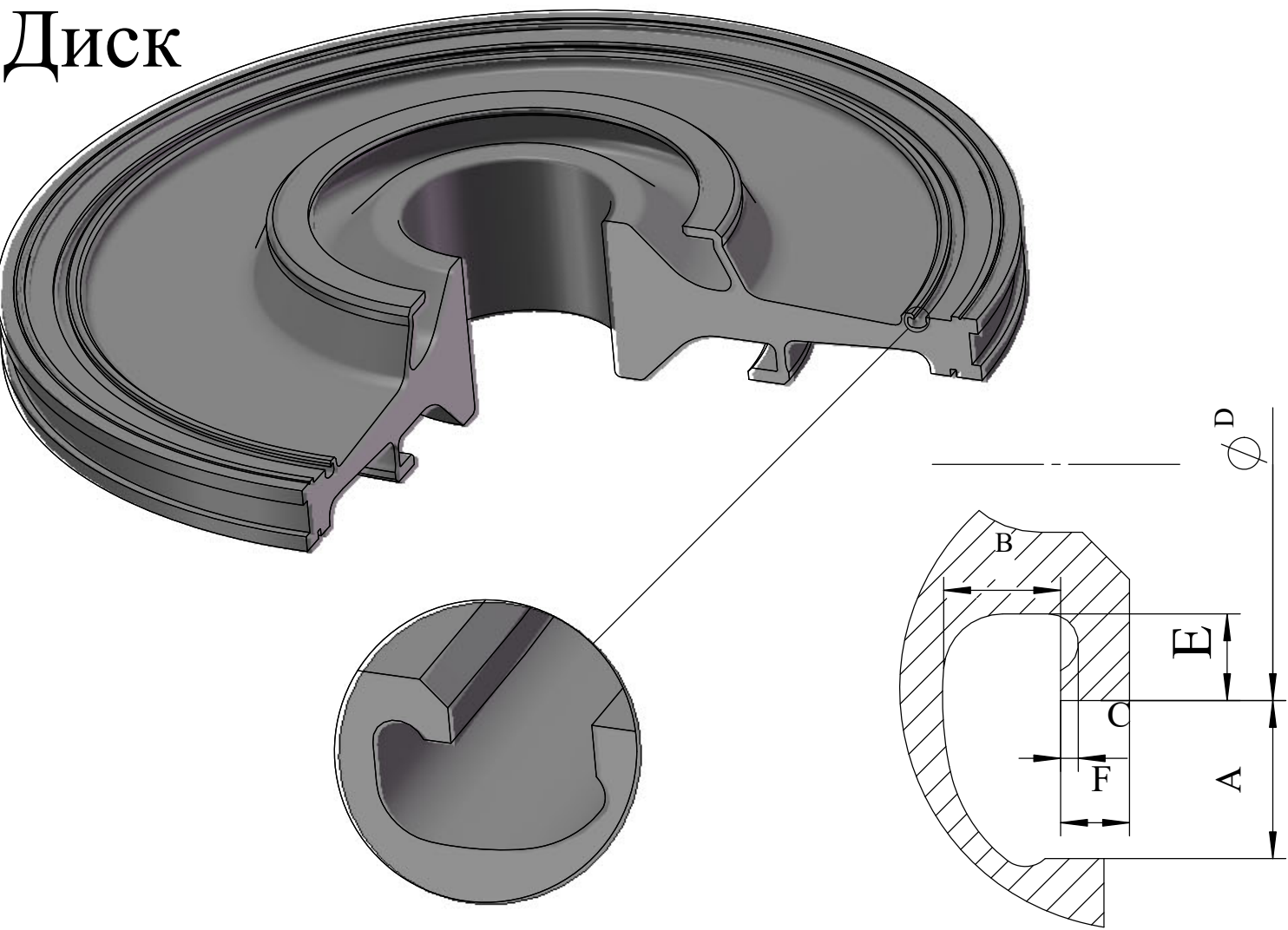


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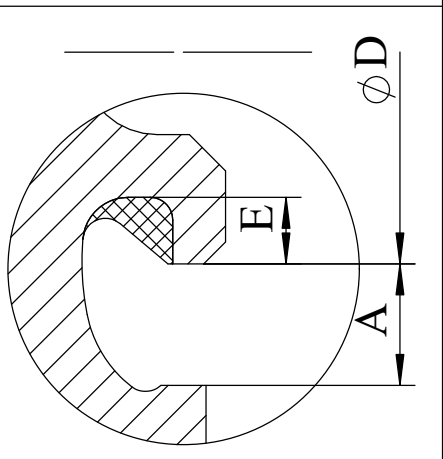


Диск 		Технологический переход  	Инструмент №2 
Технологический переход  	Инструмент №3 	Технологический переход  	Инструмент №3 

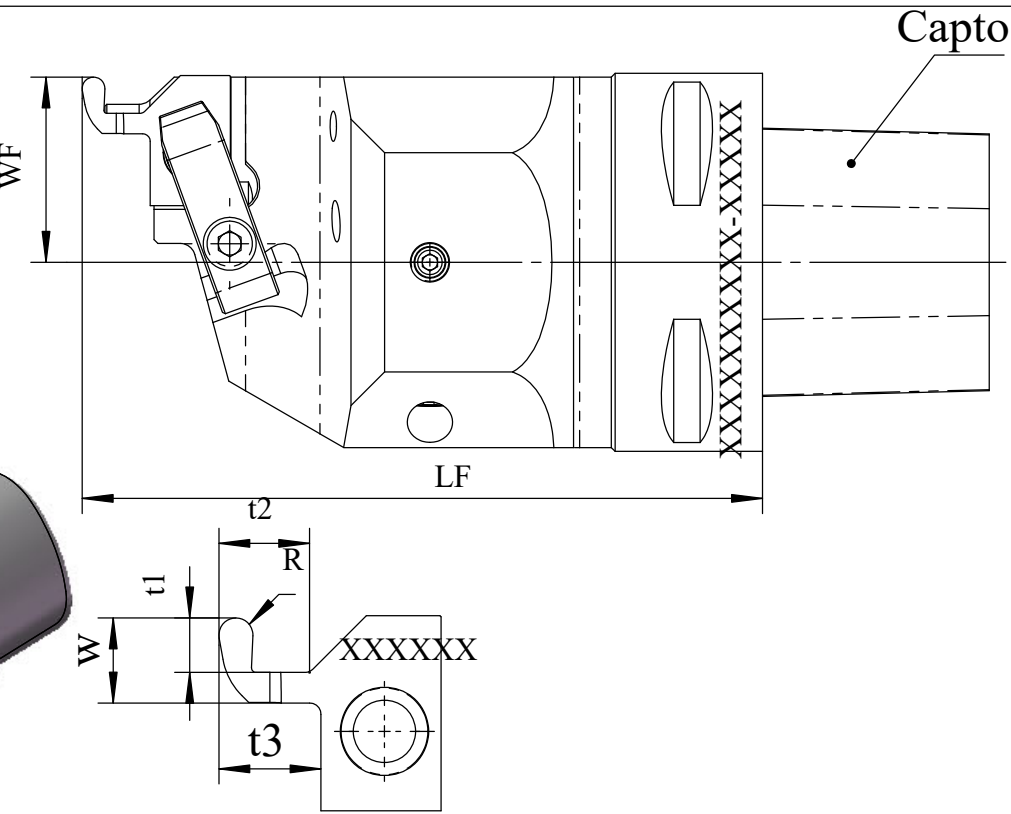
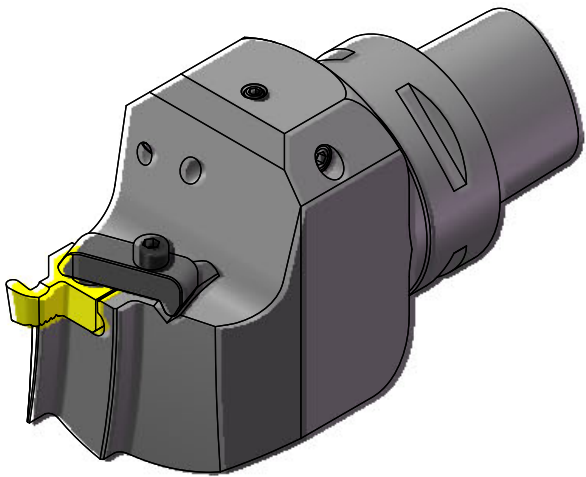
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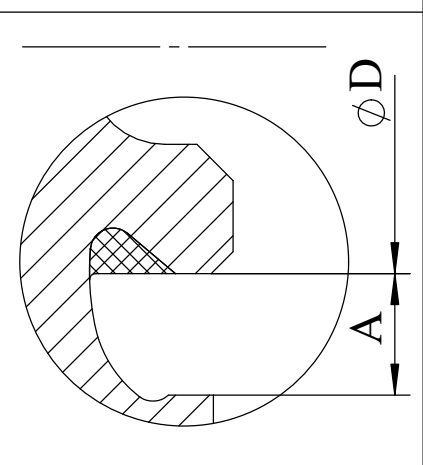
Технологический переход



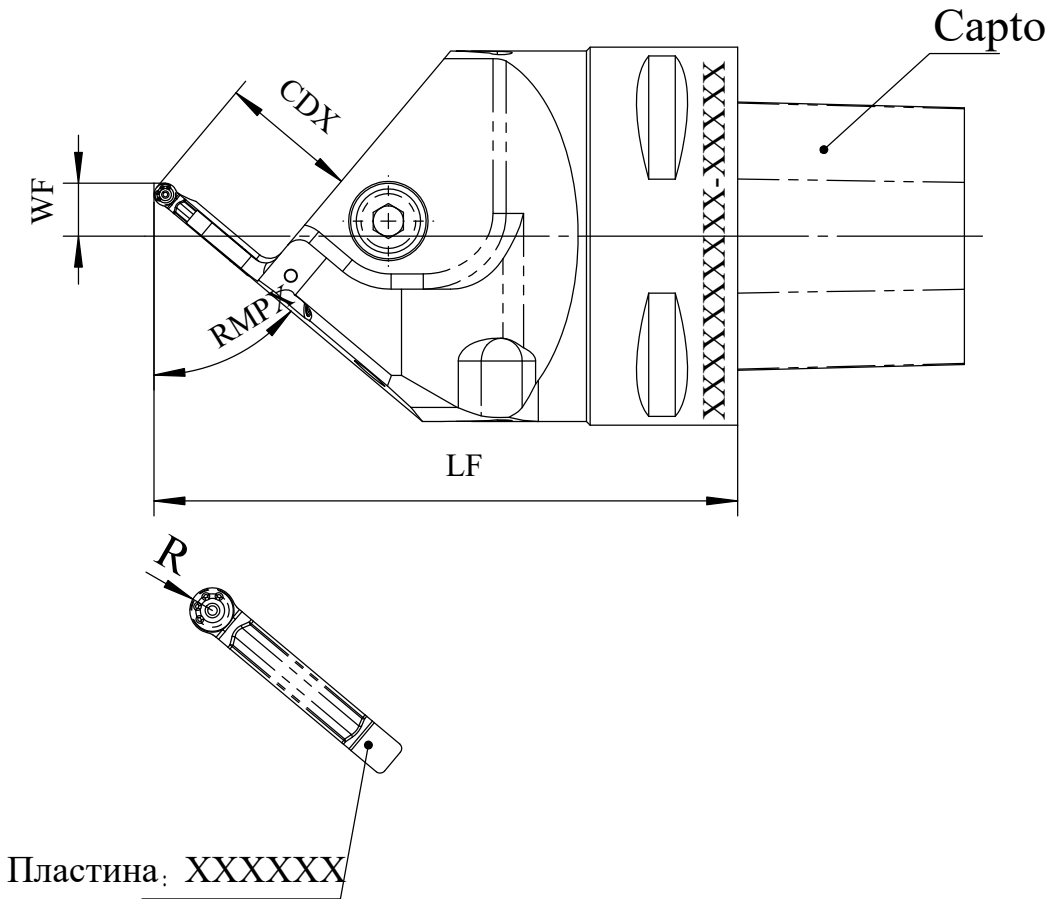
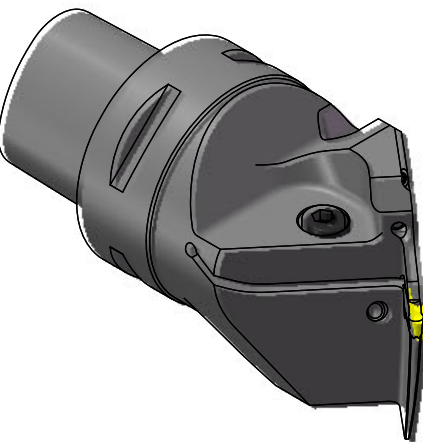
Инструмент №5



Технологический переход

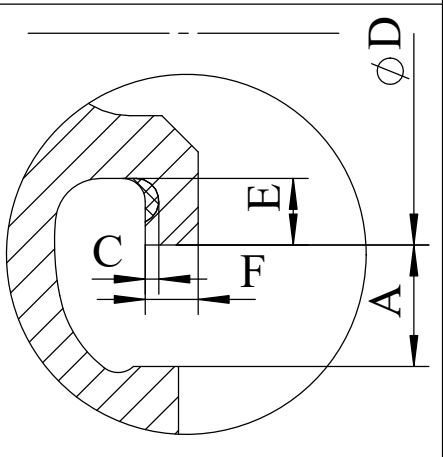


Инструмент №4

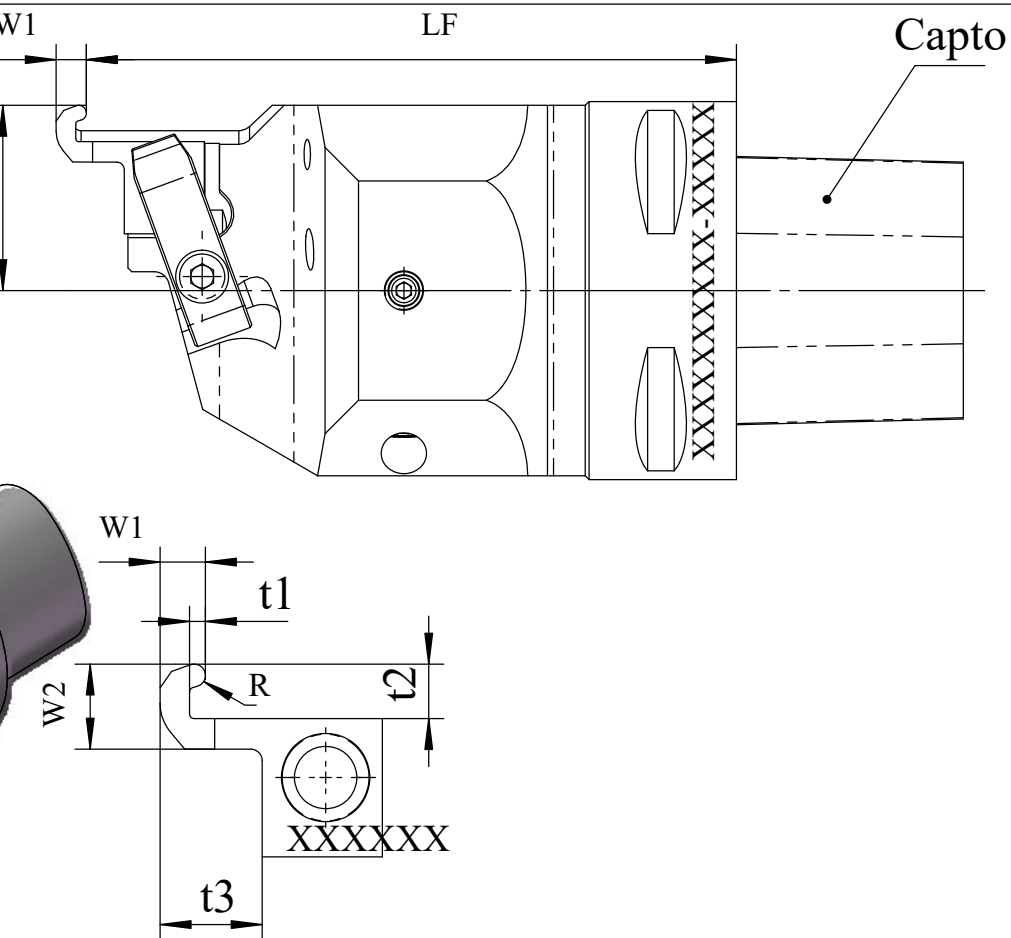
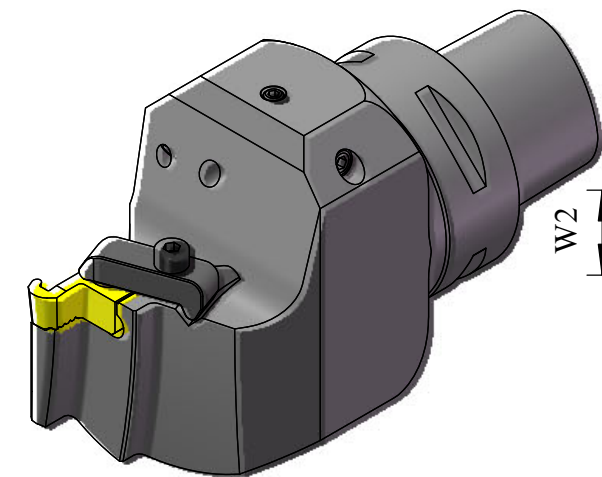


Пластина: XXXXXX

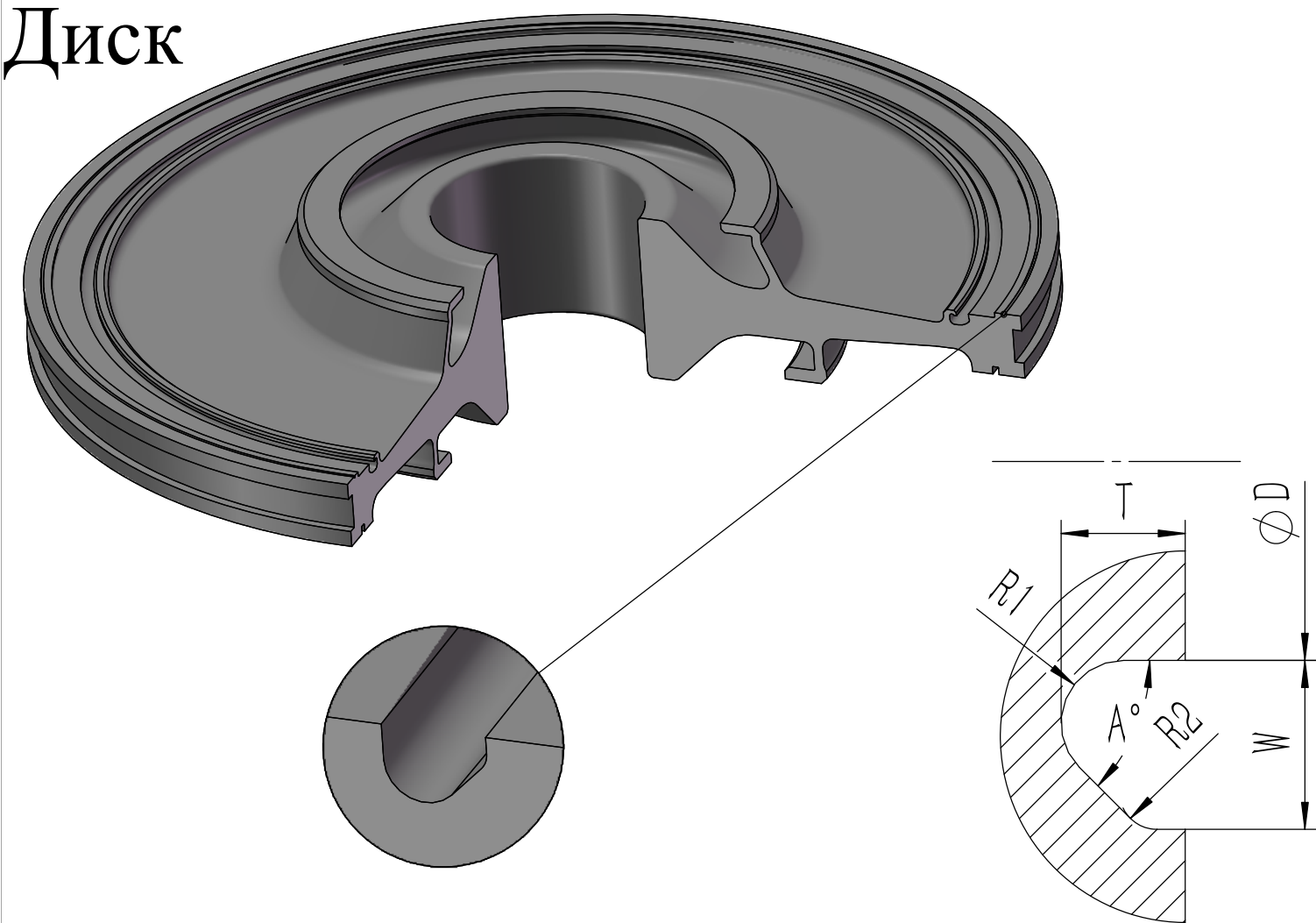
Технологический переход



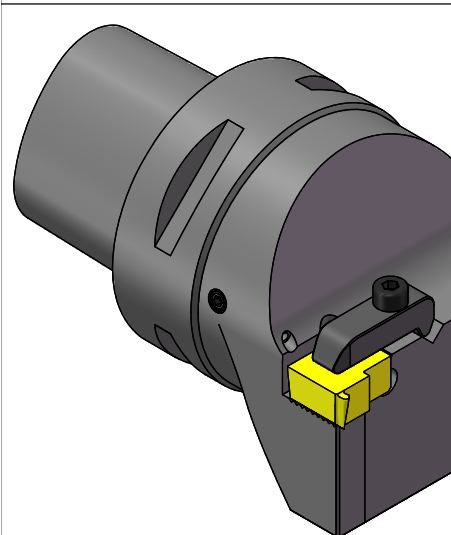
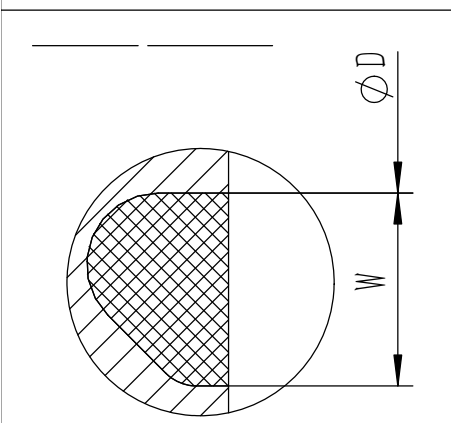
Инструмент №6



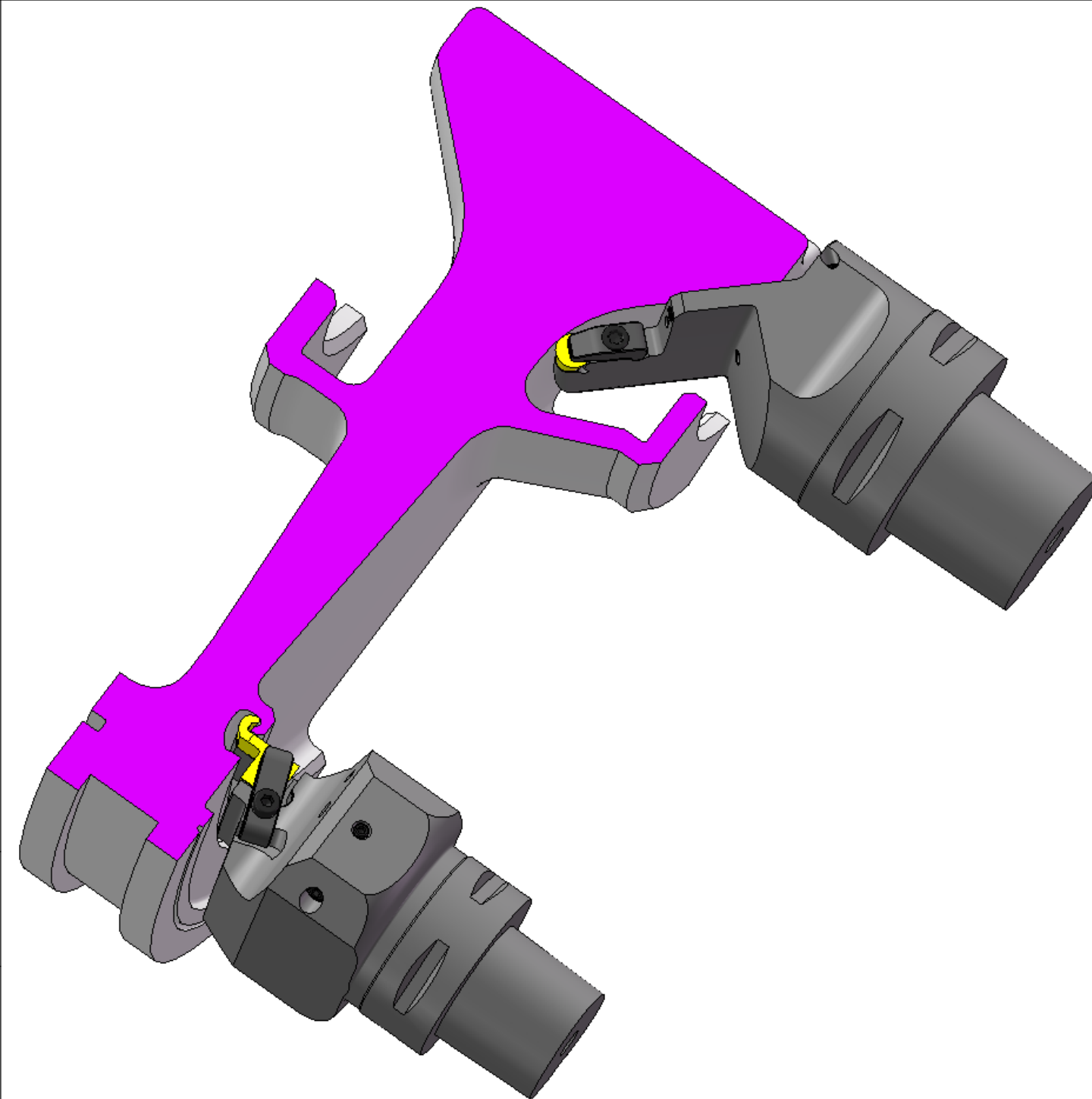
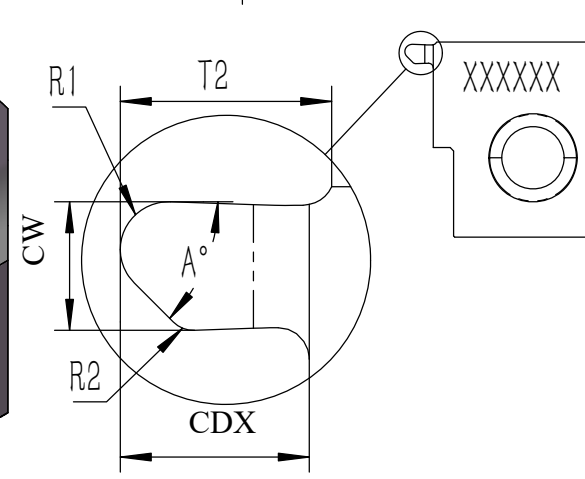
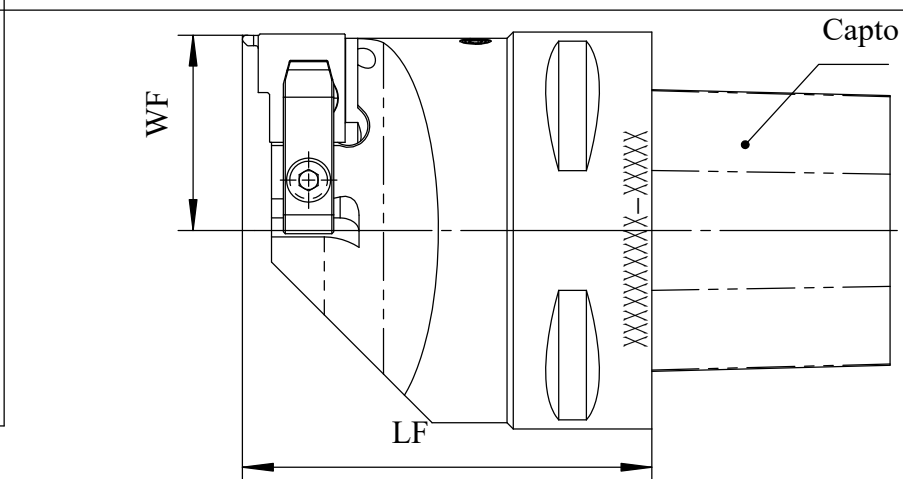
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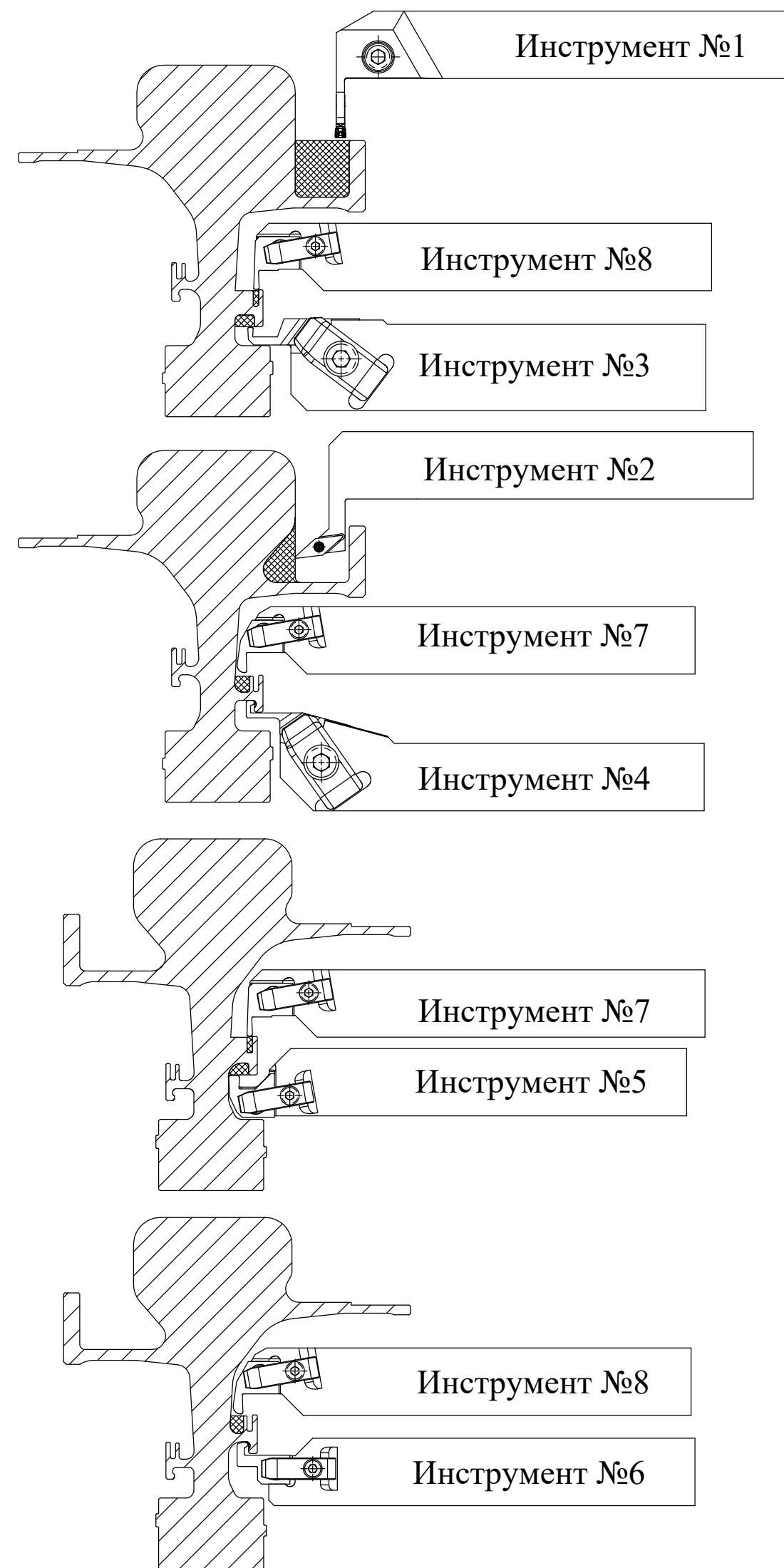
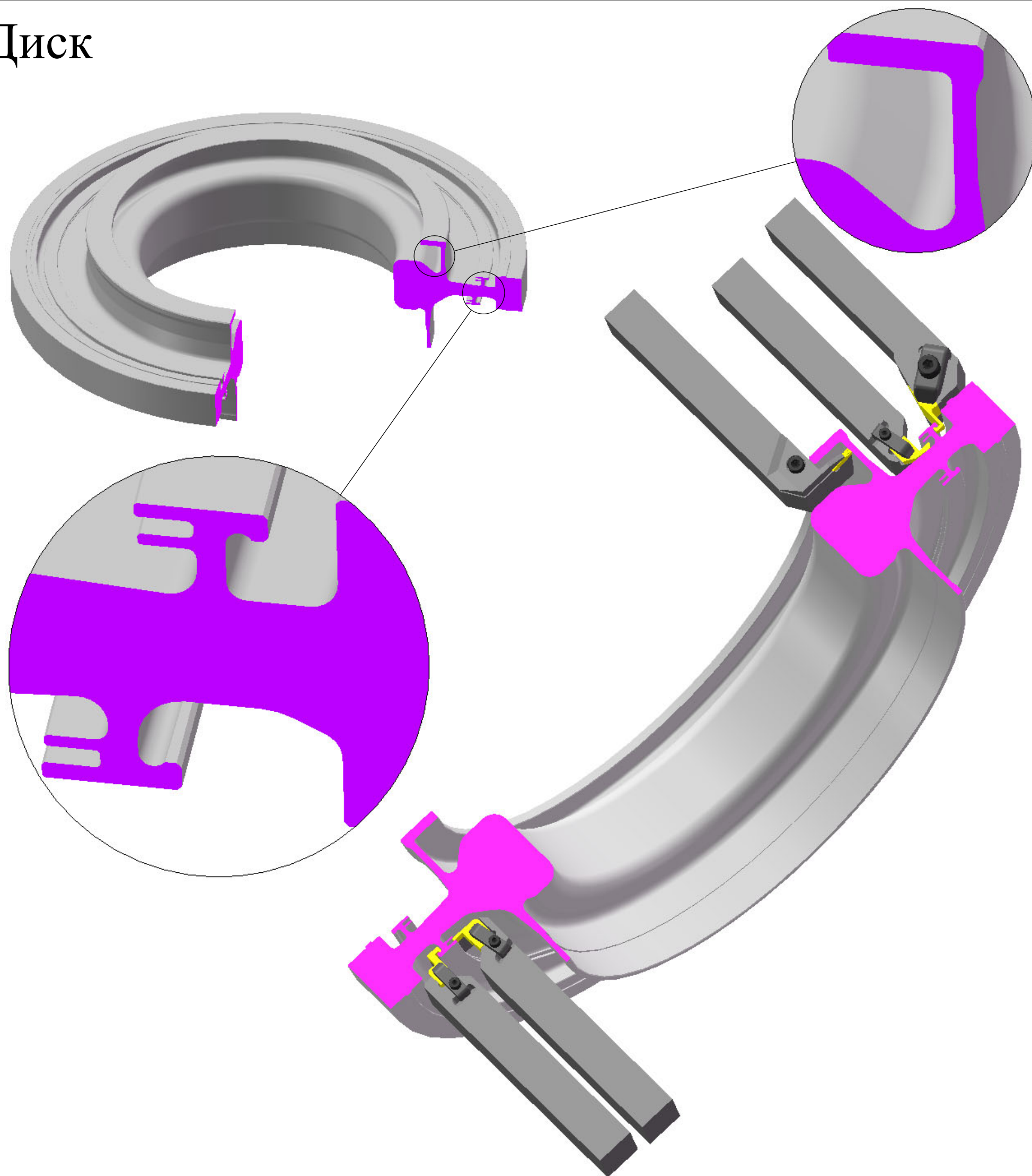
Технологический
переход

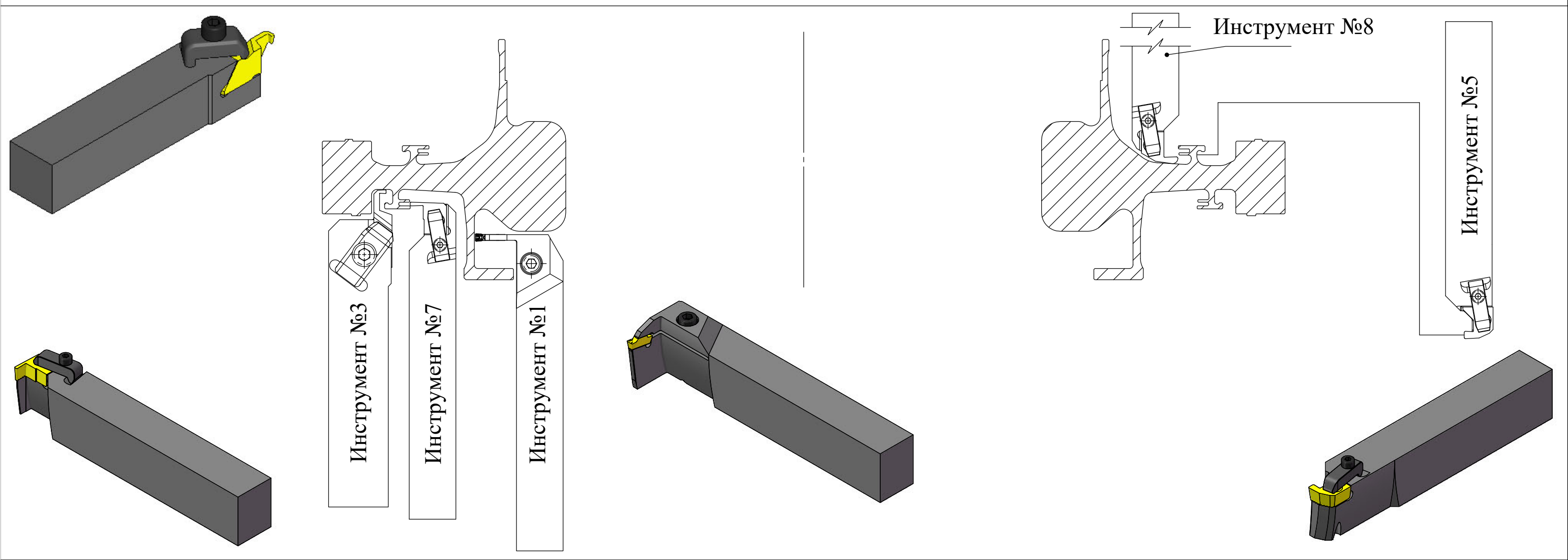
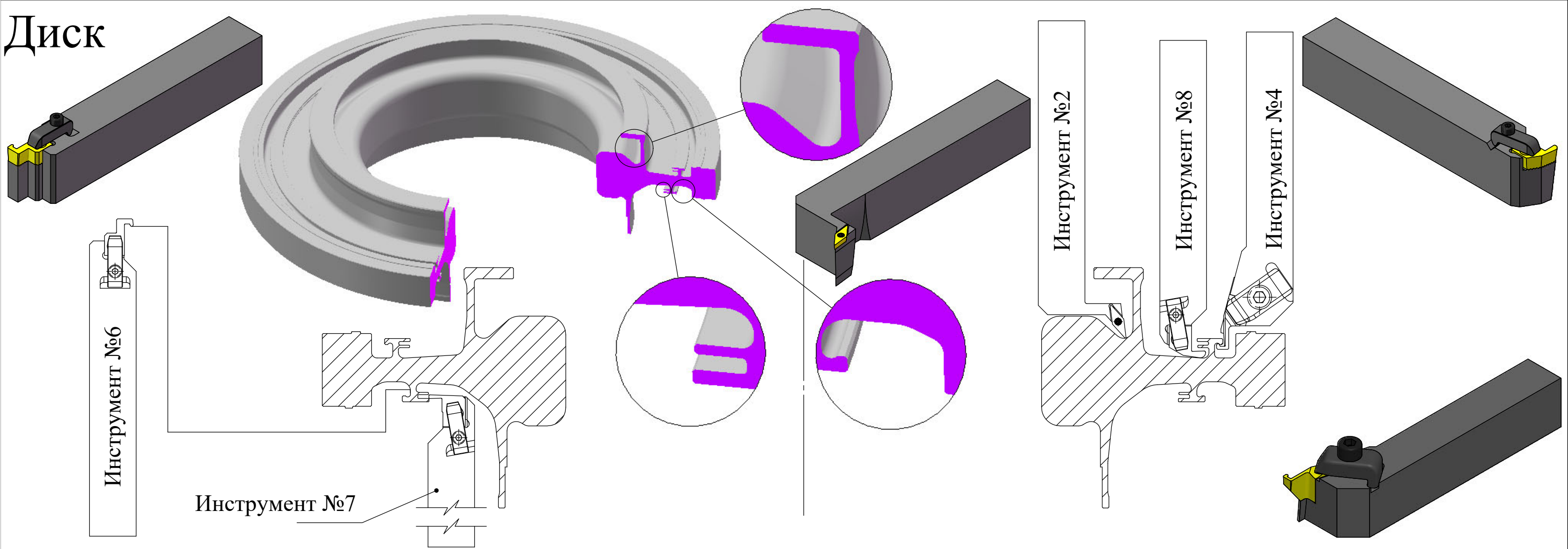


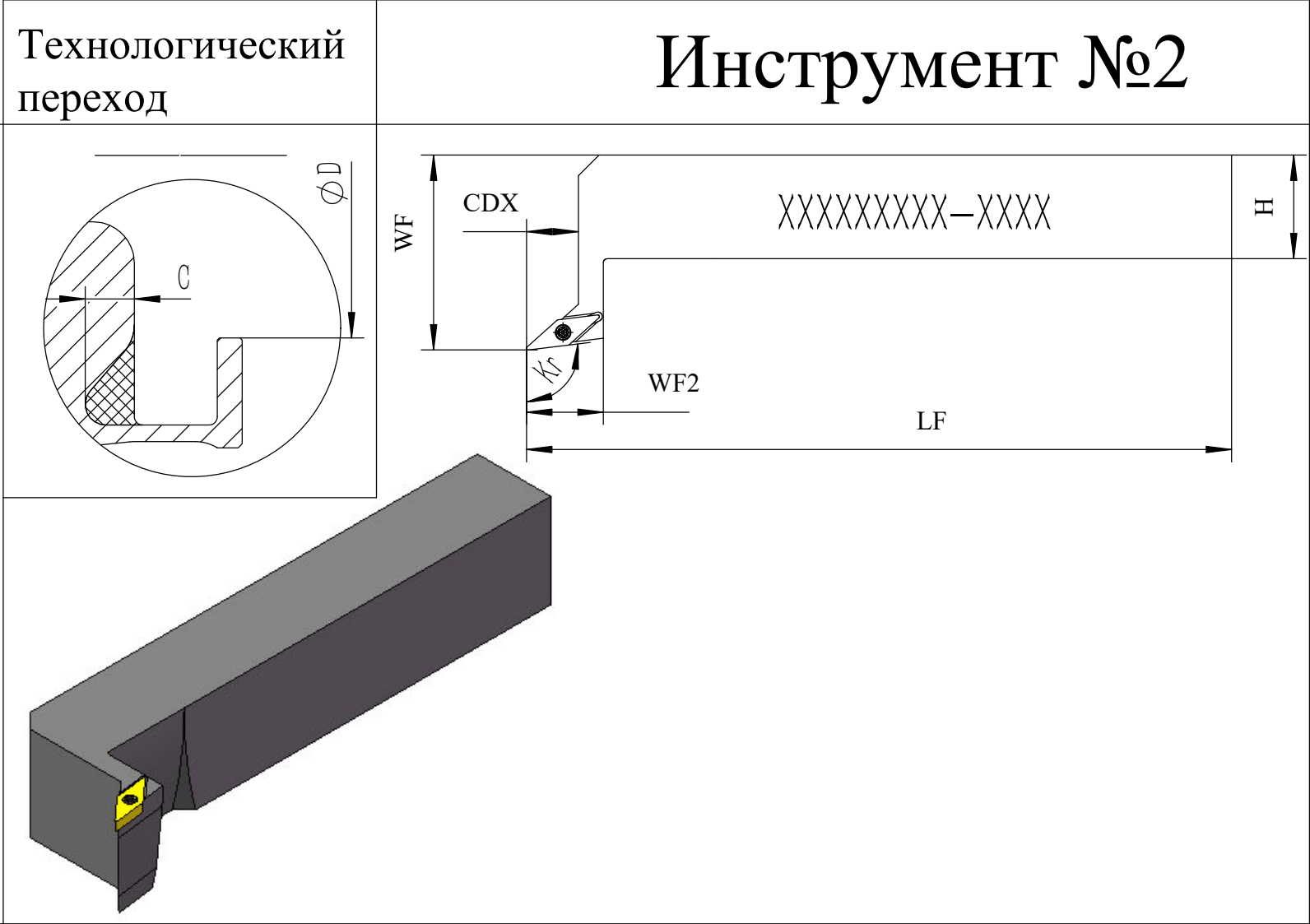
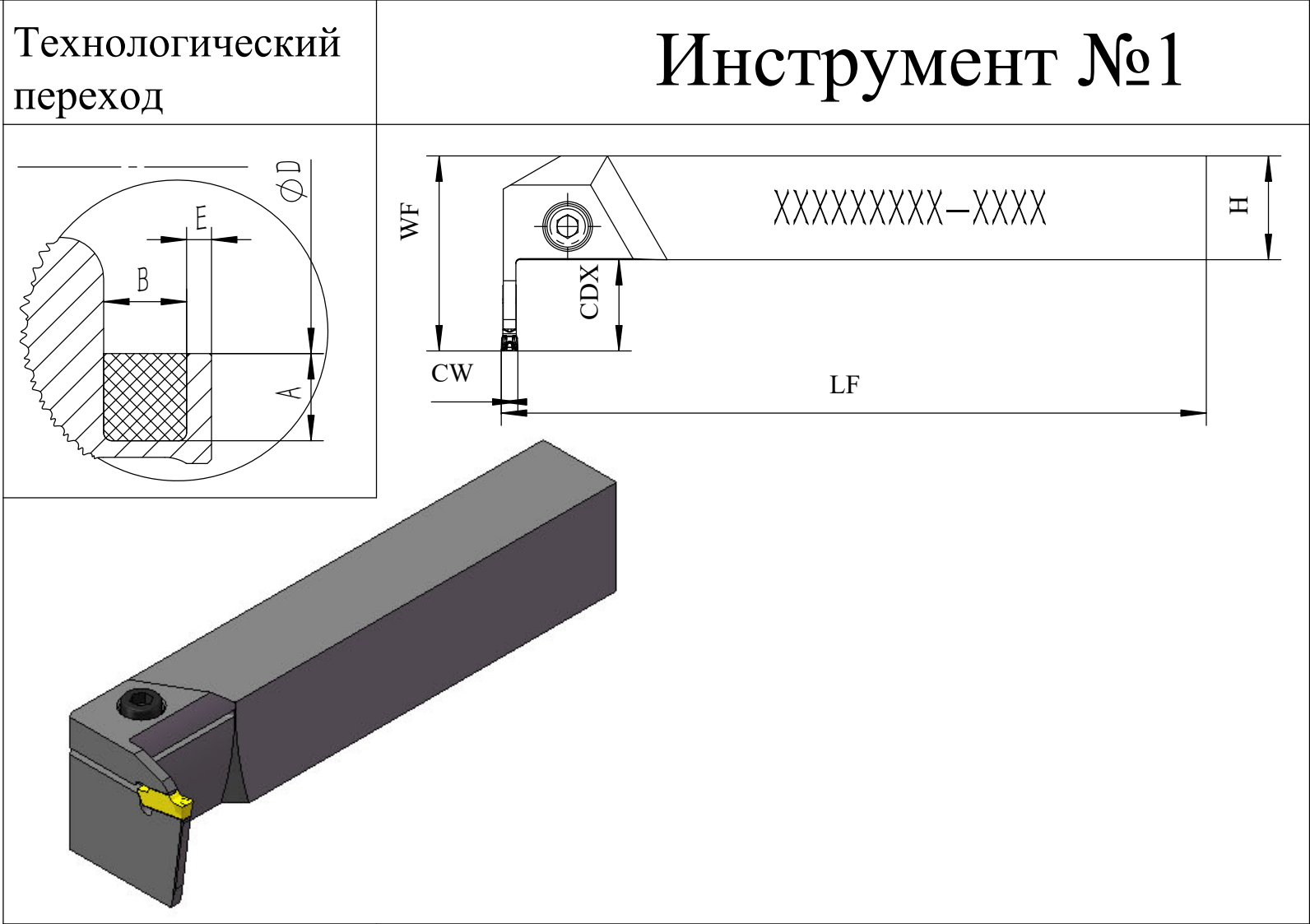
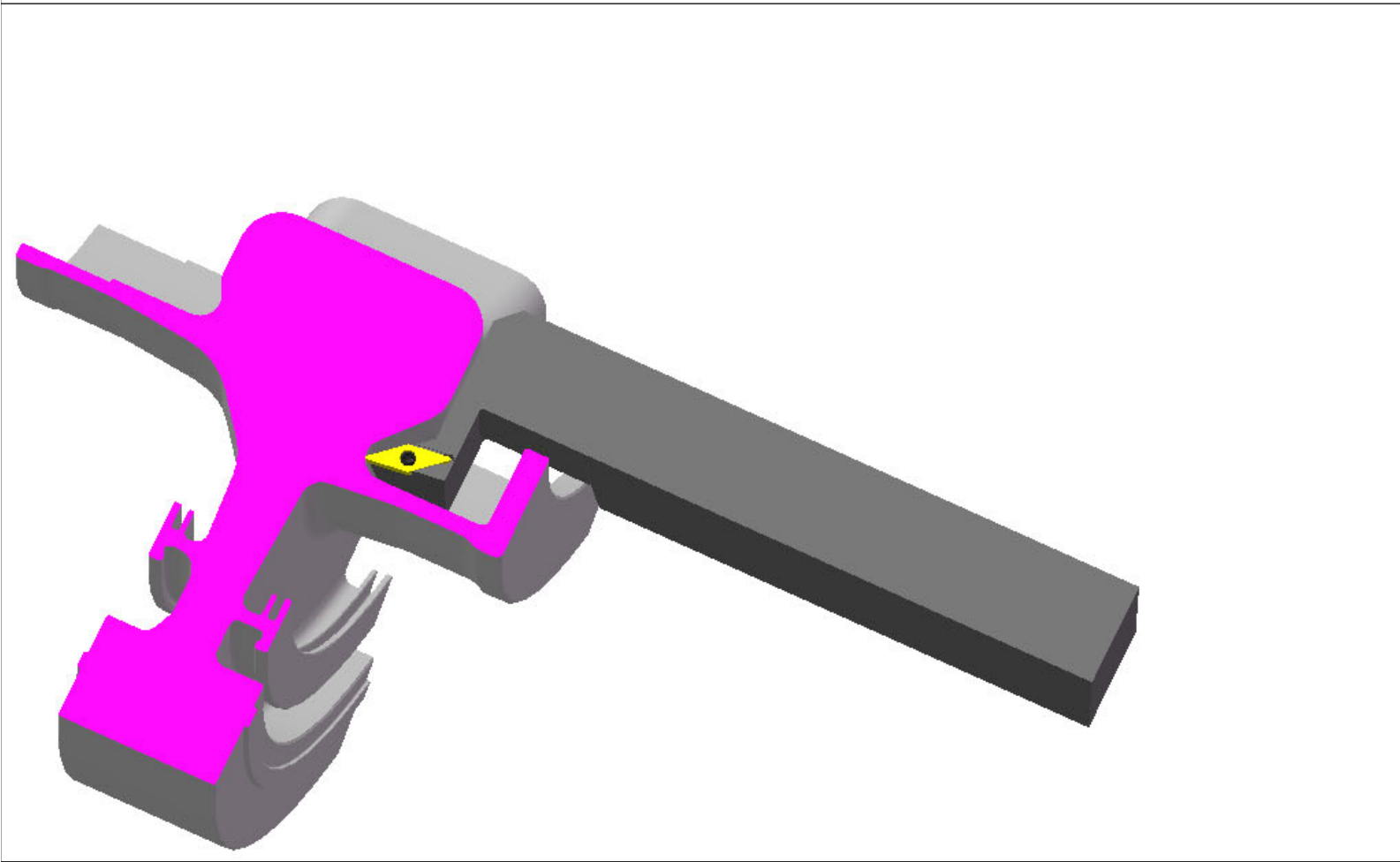
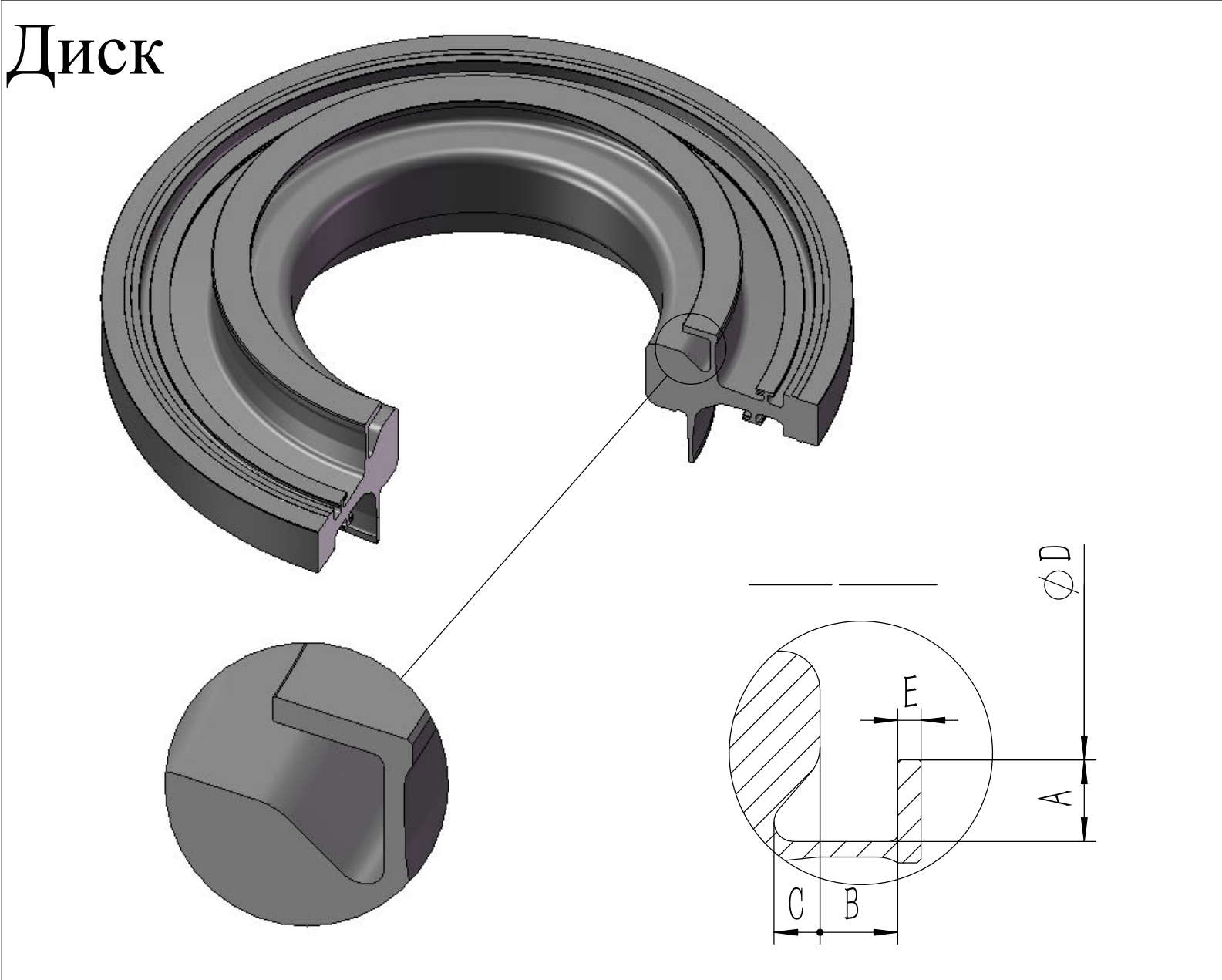
Инструмент №7

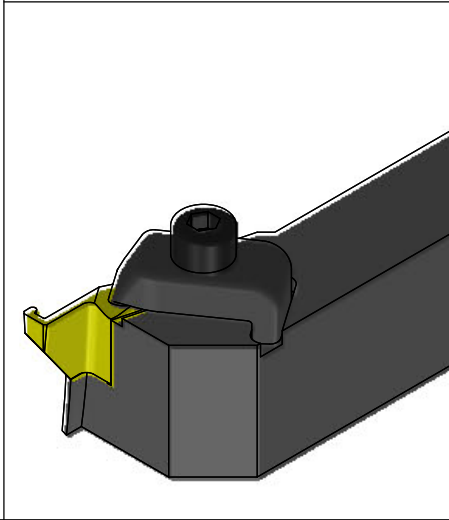
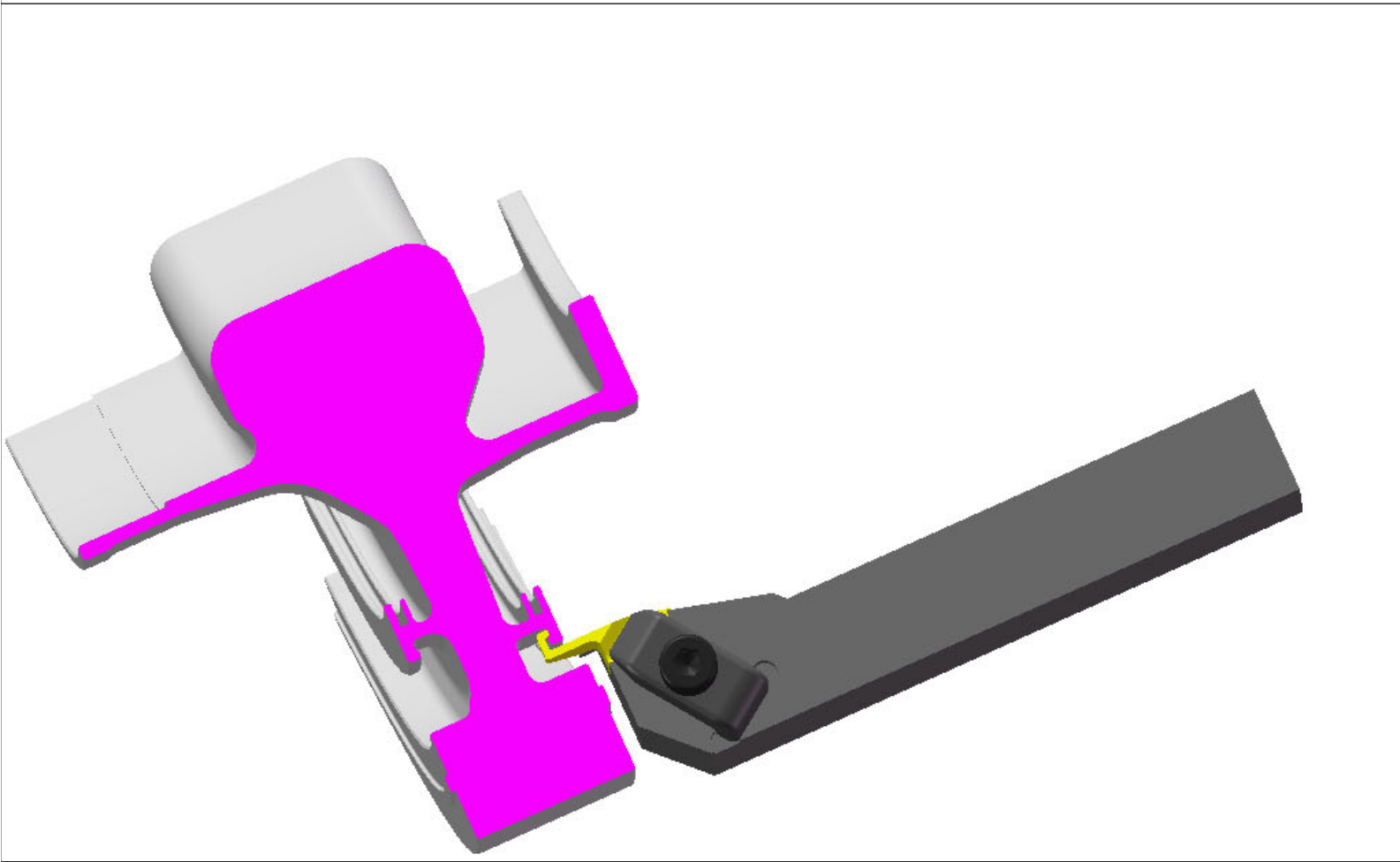
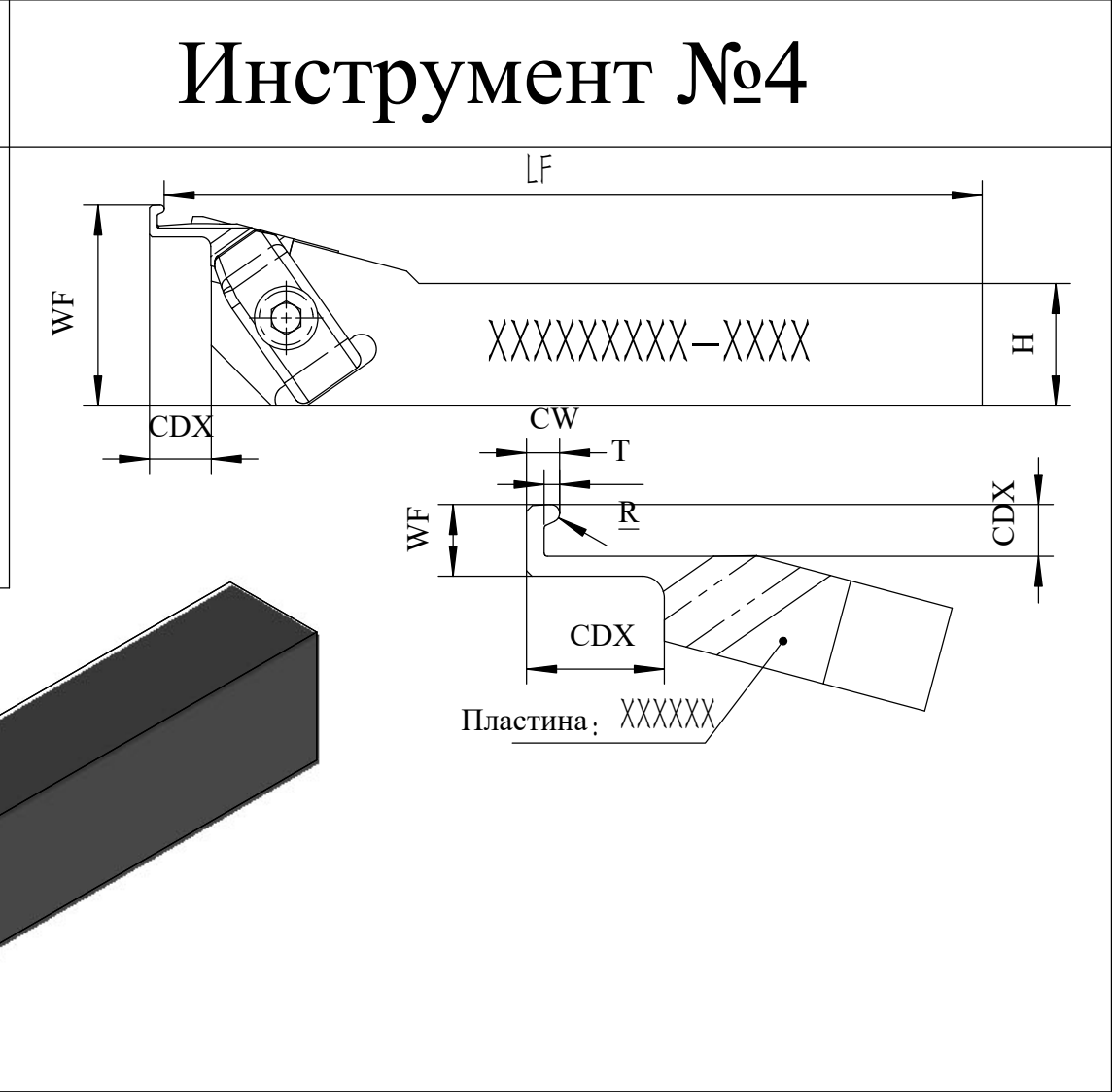
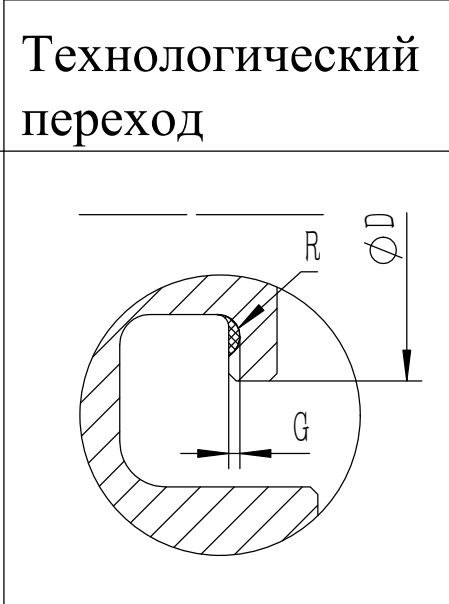
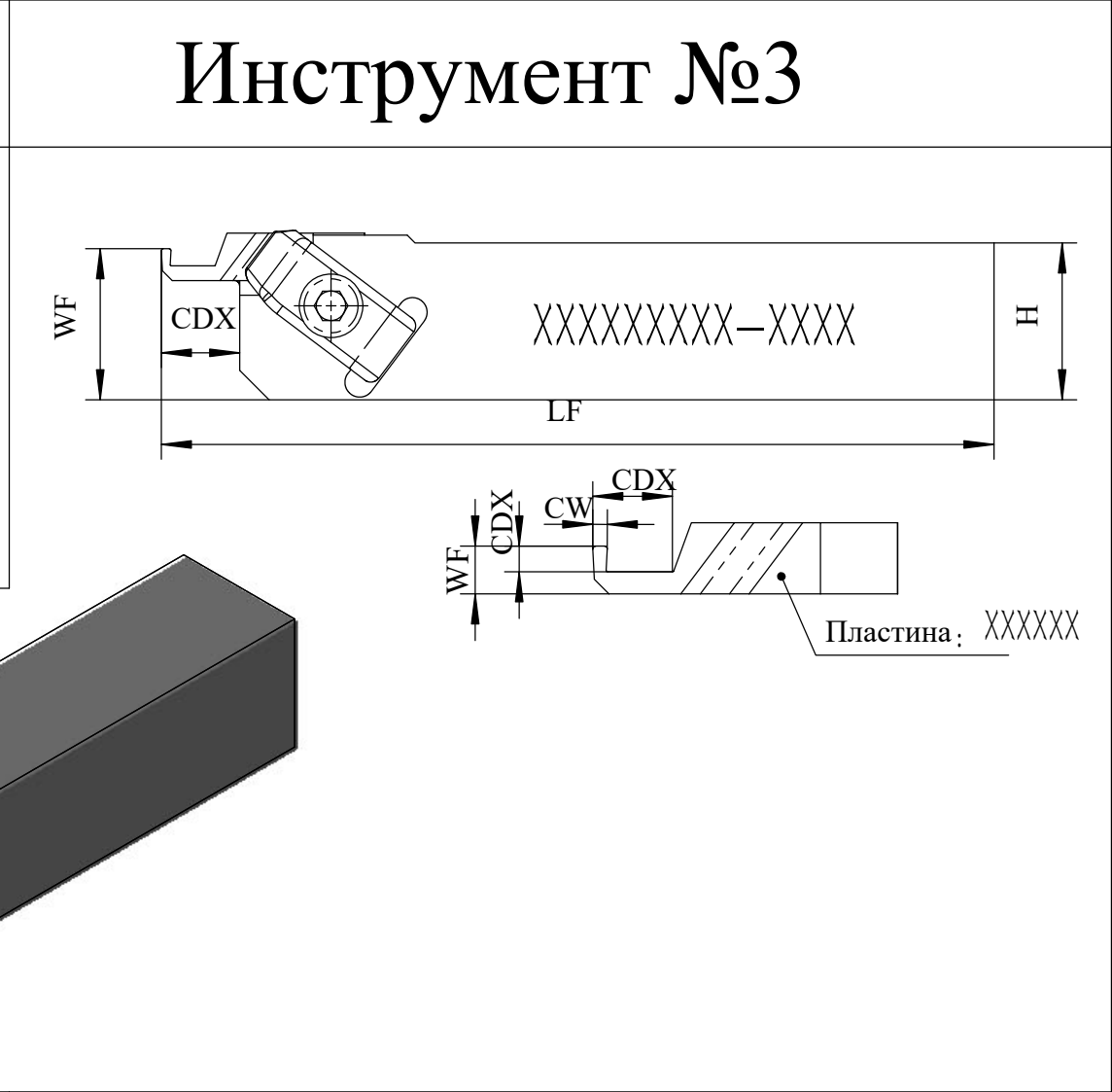
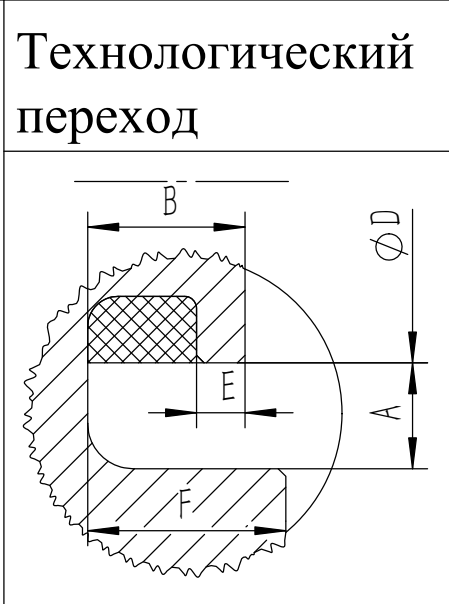
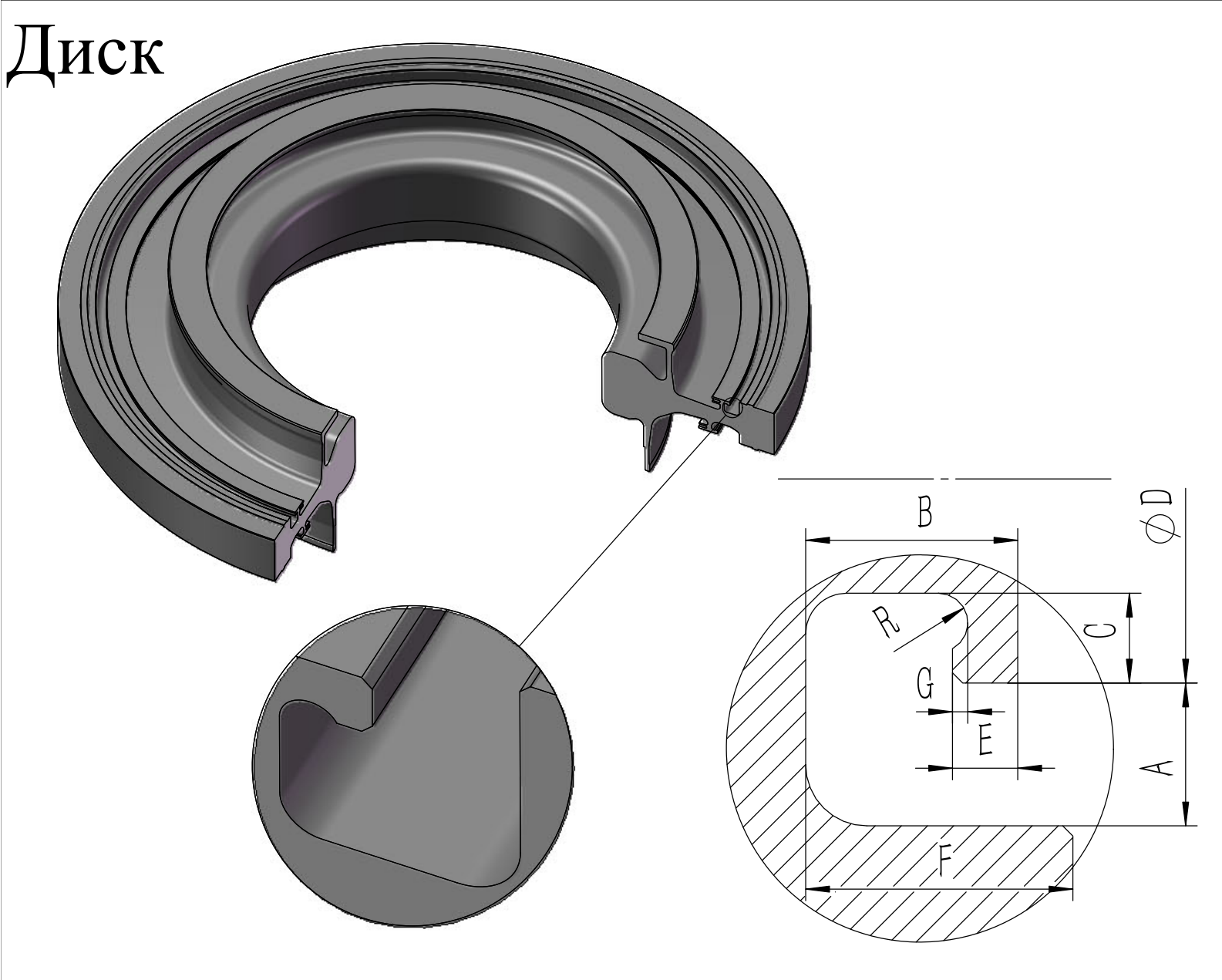


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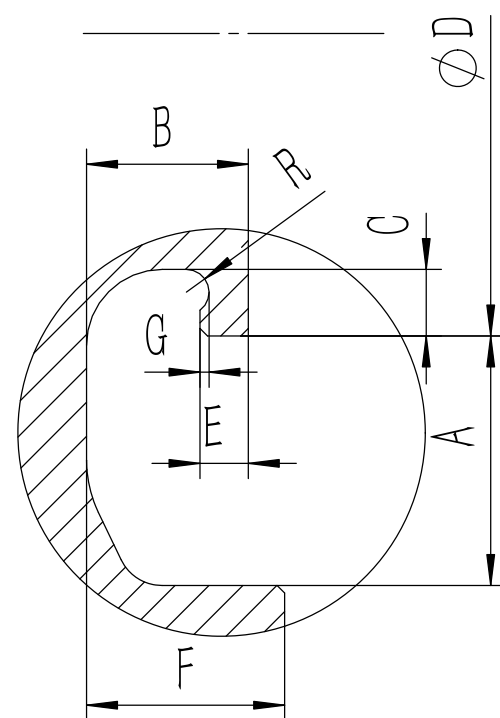




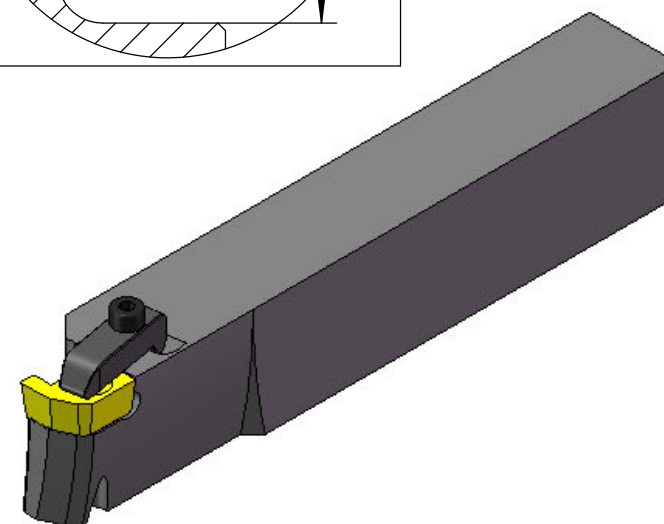
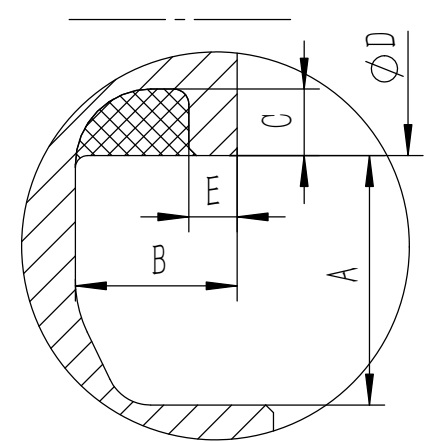




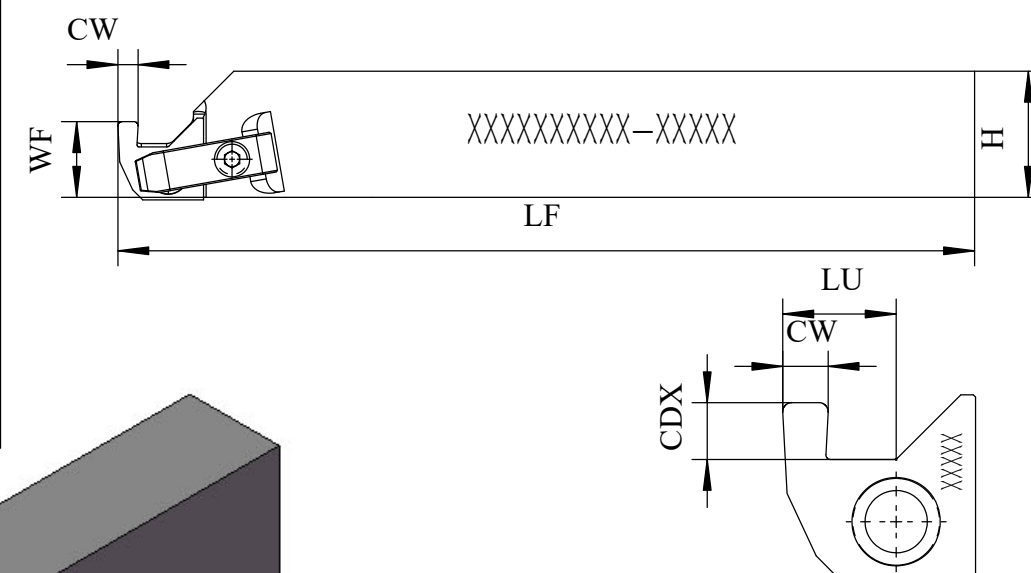
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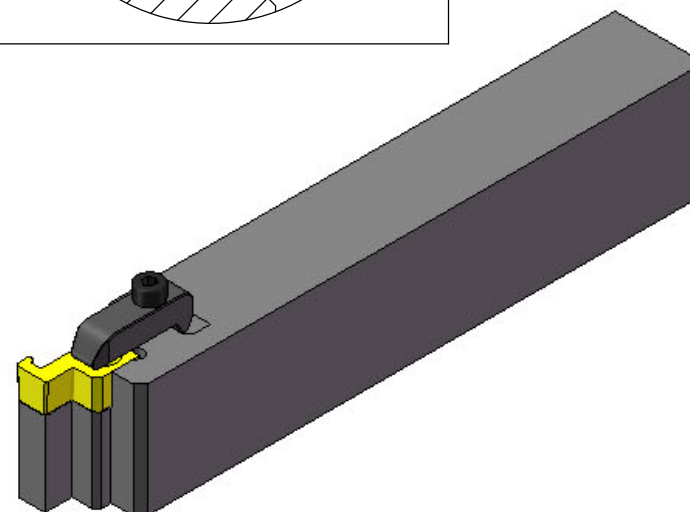
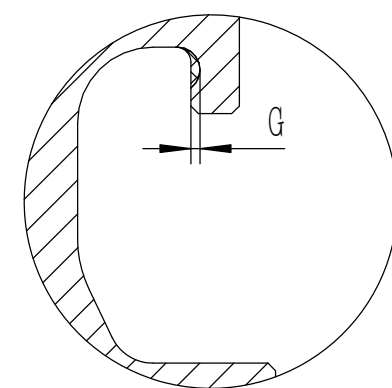
Технологический переход



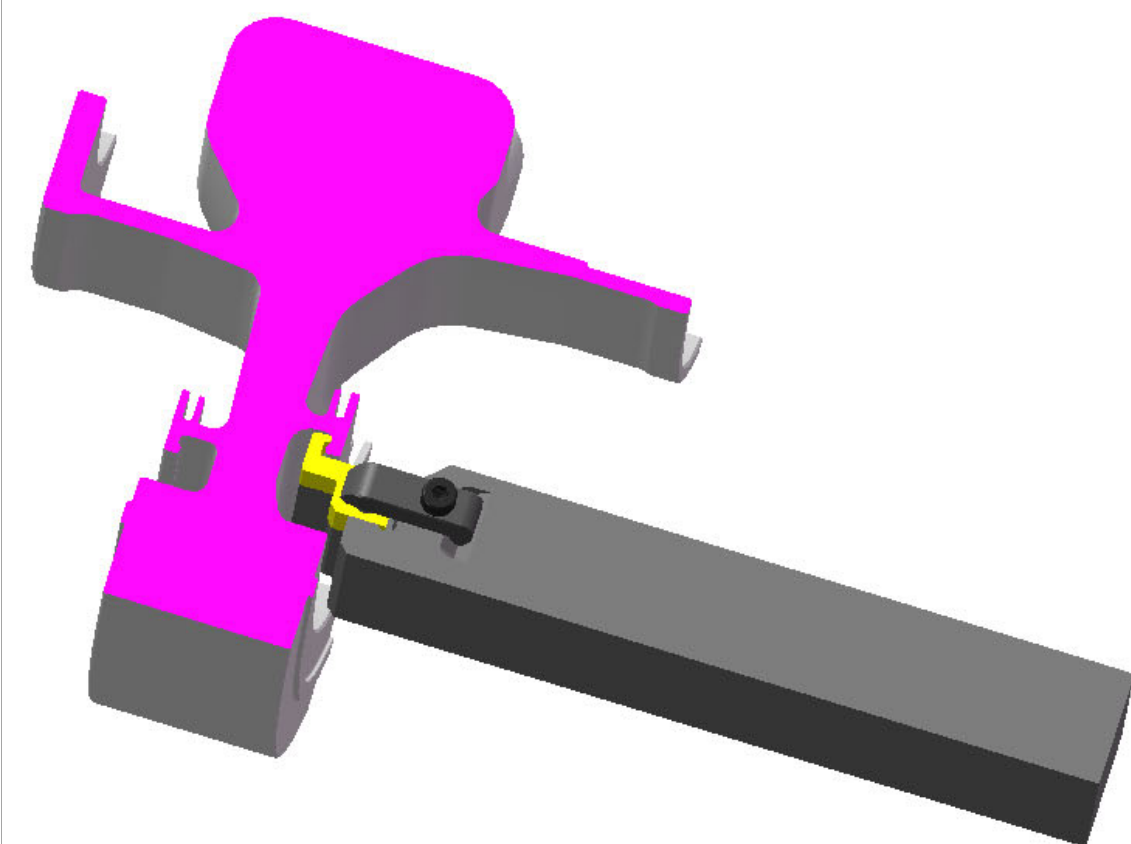
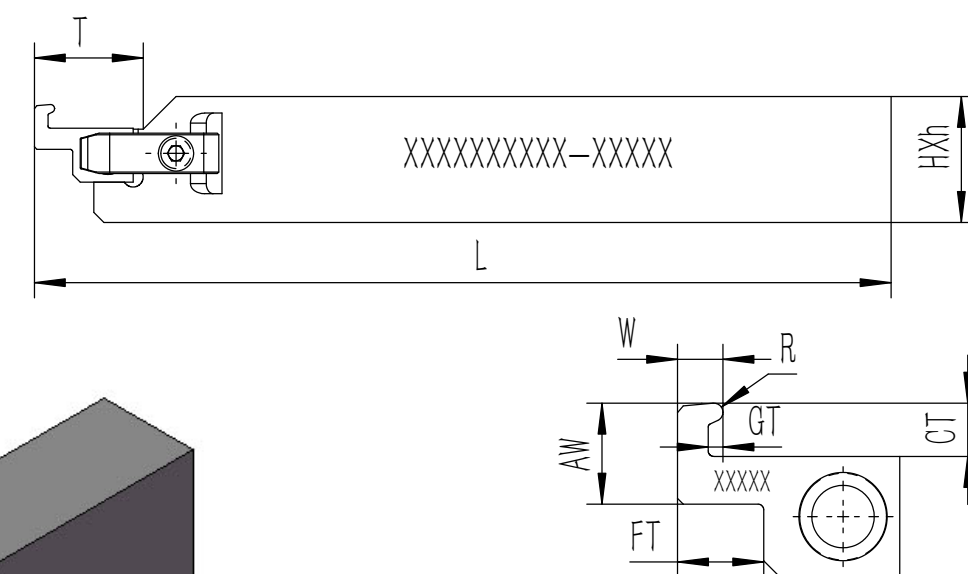
Инструмент №5



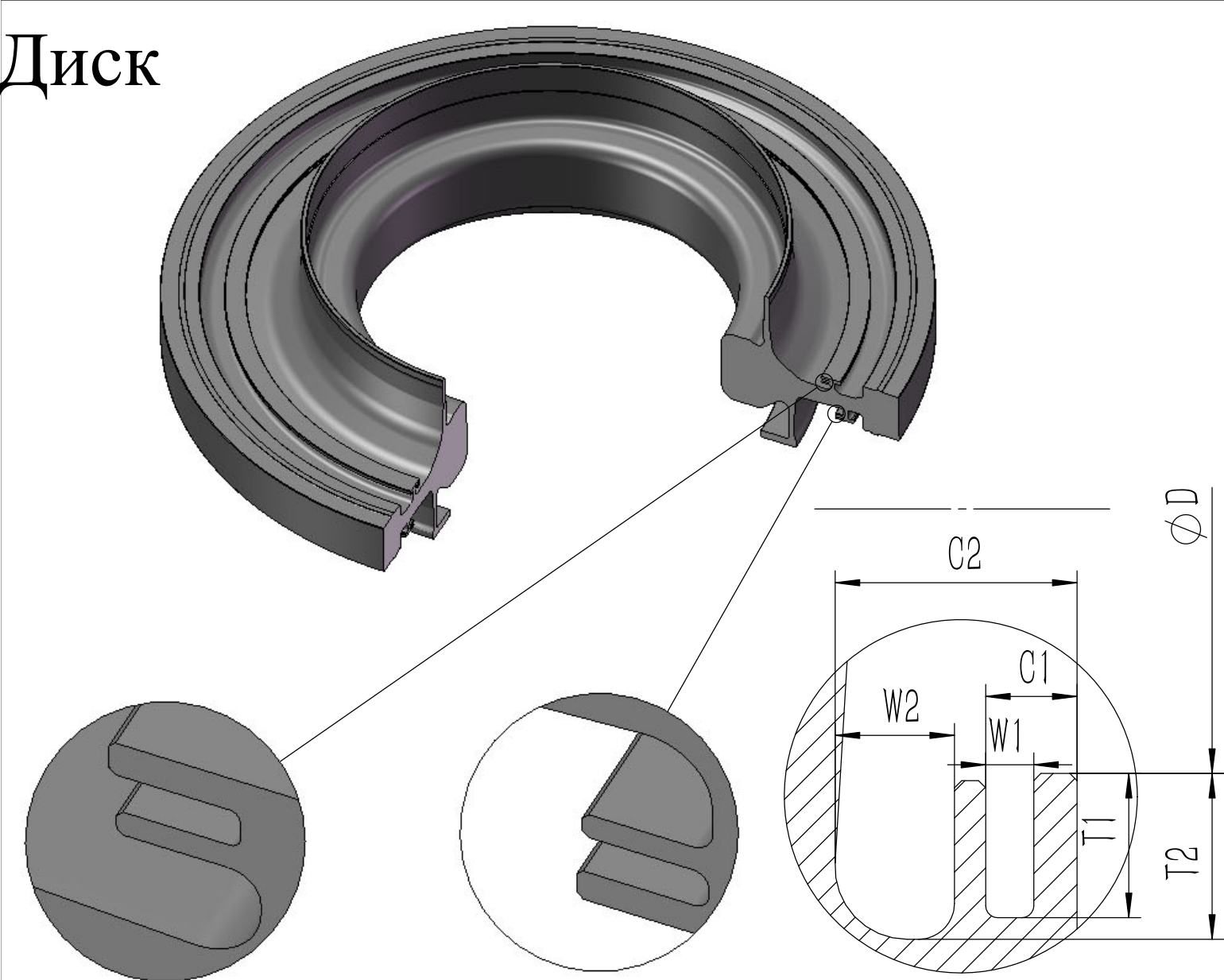
Технологический переход



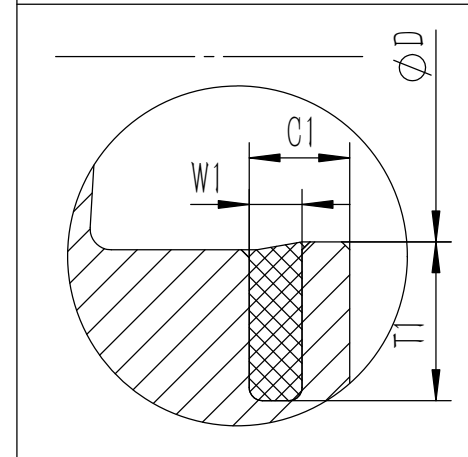
Инструмент №6



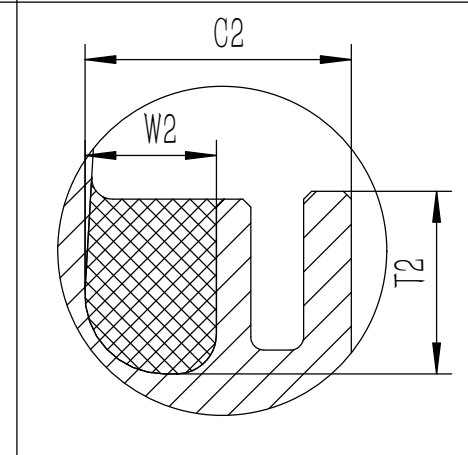
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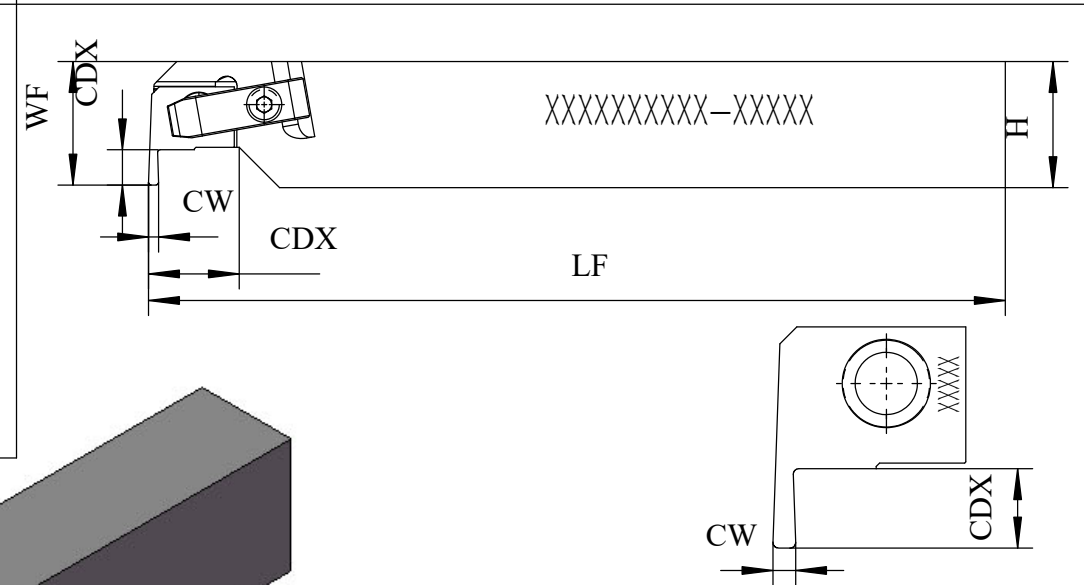
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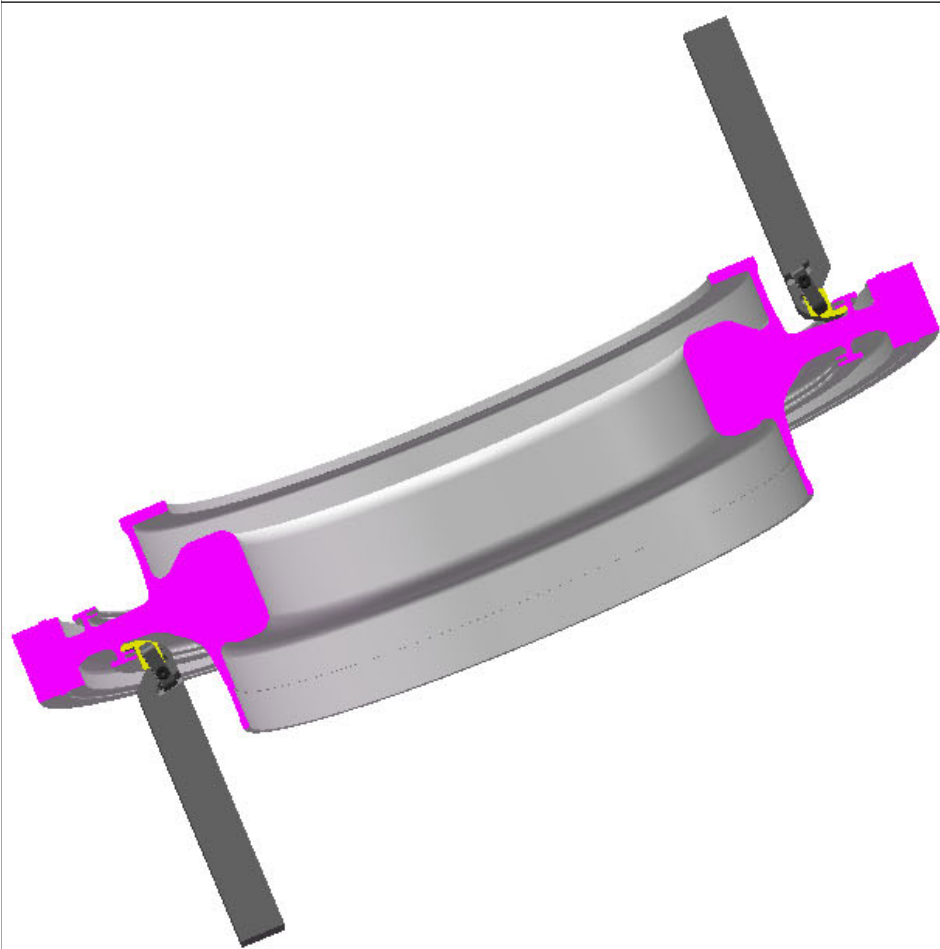
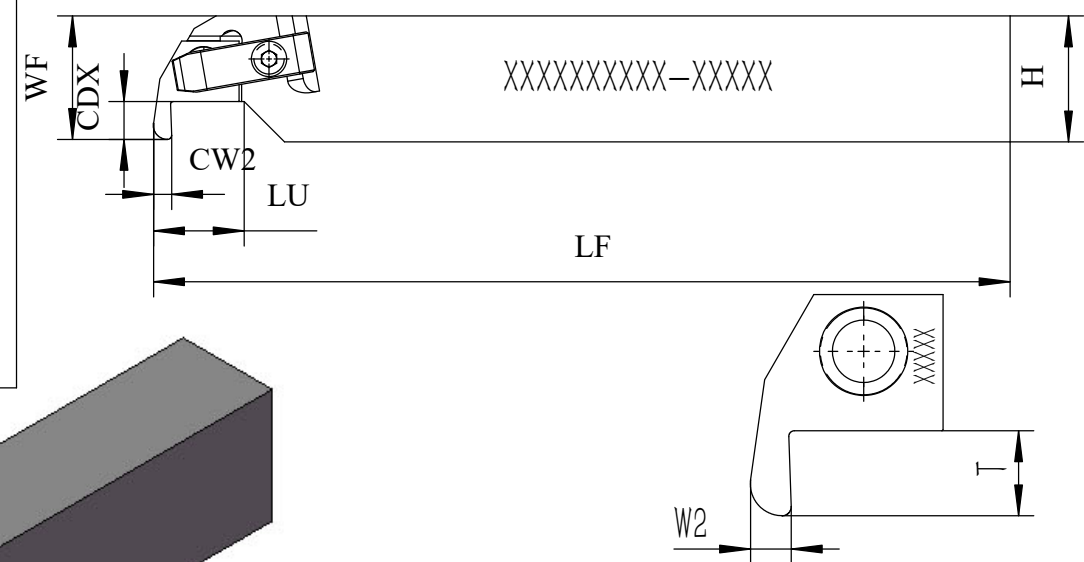
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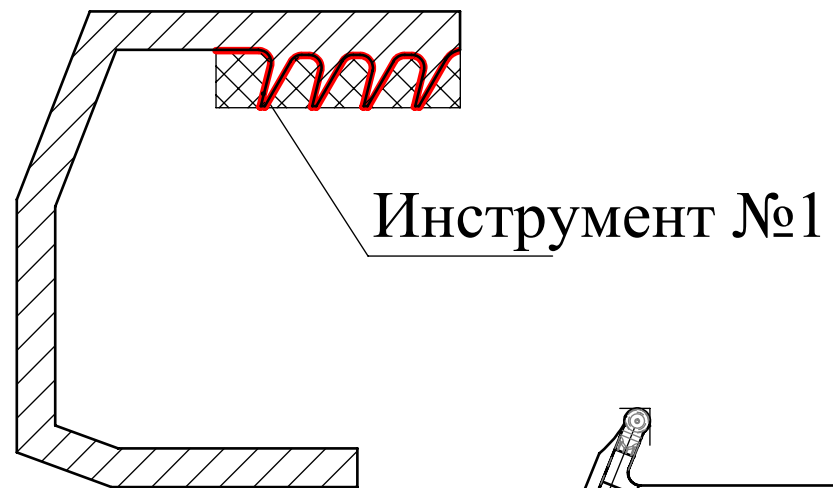
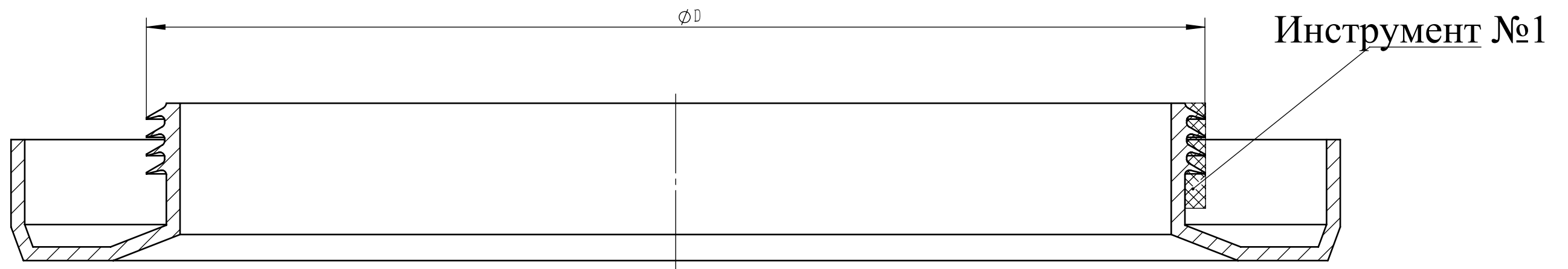
Инструмент №7



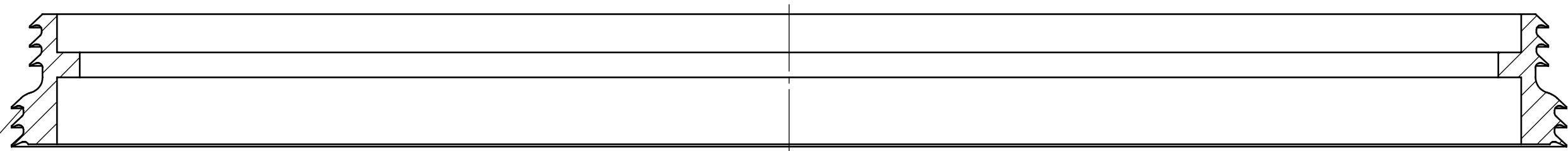
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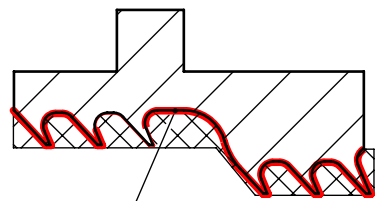
Лабиринтные уплотнения 1



Лабиринтные уплотнения 2



Инструмент №2

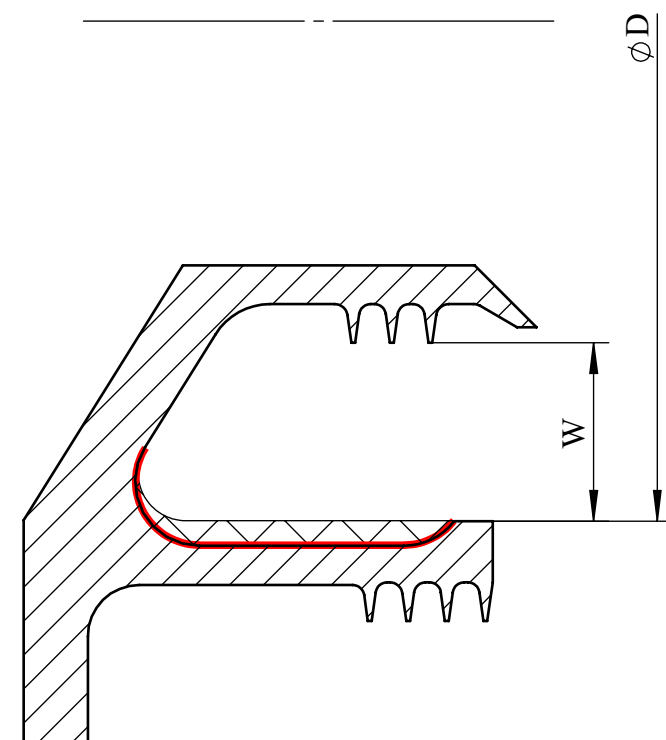
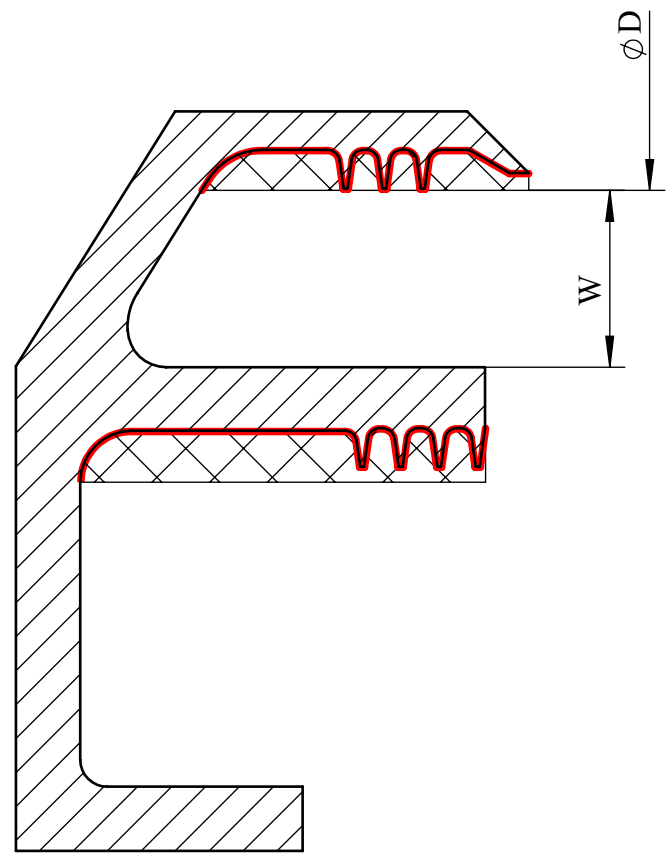
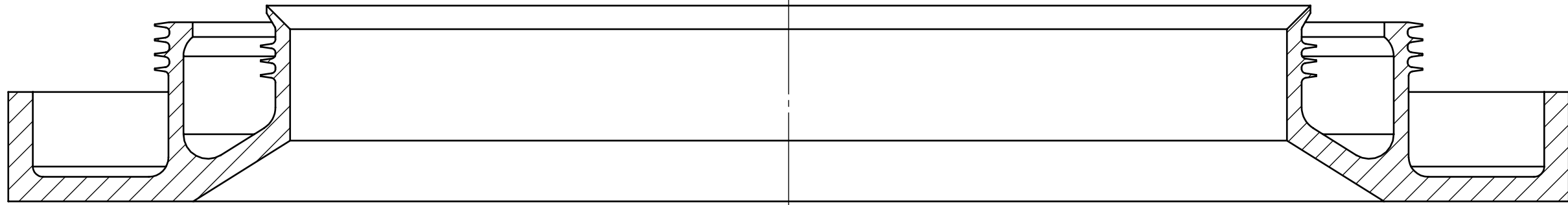


Инструмент №2



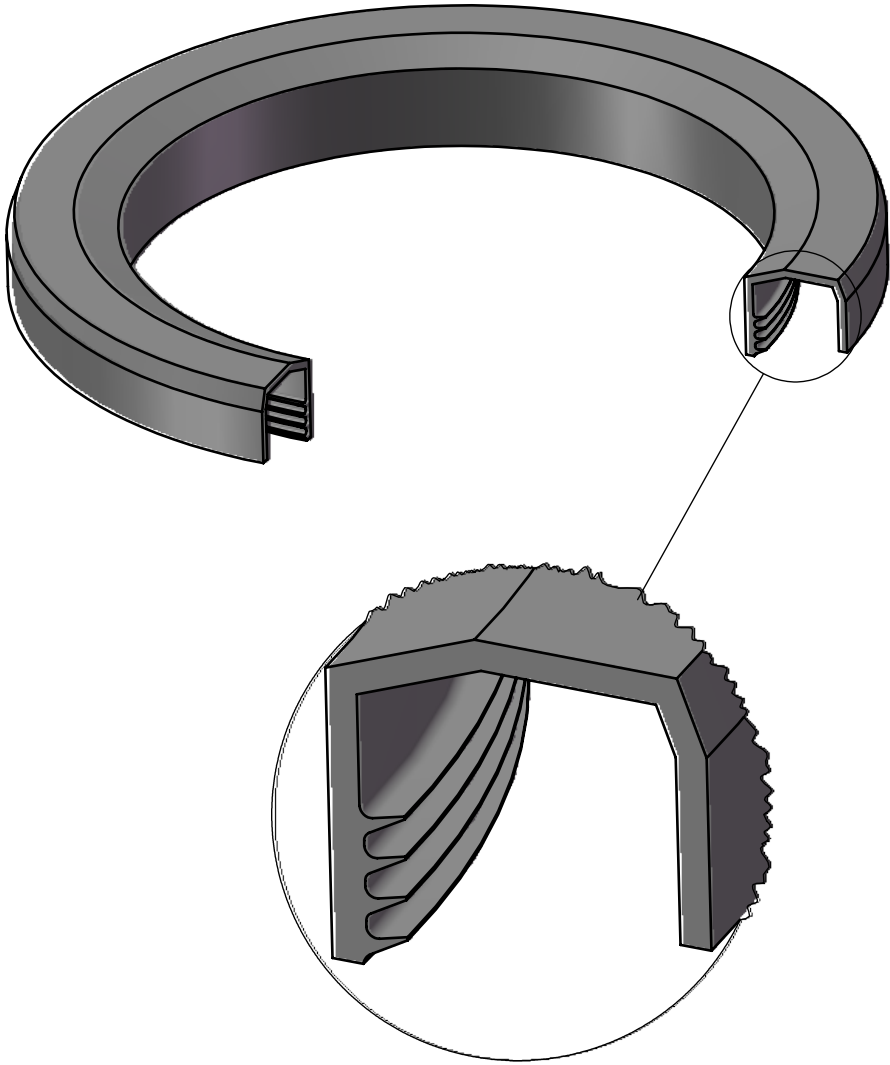
Инструмент №2

Лабиринтные уплотнения 3

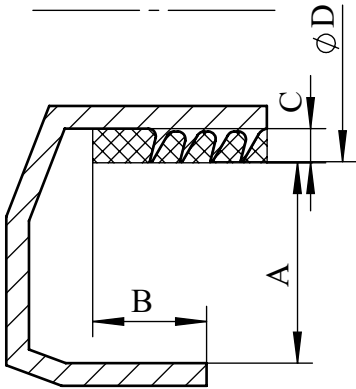


Лабиринтные уплотнения 1

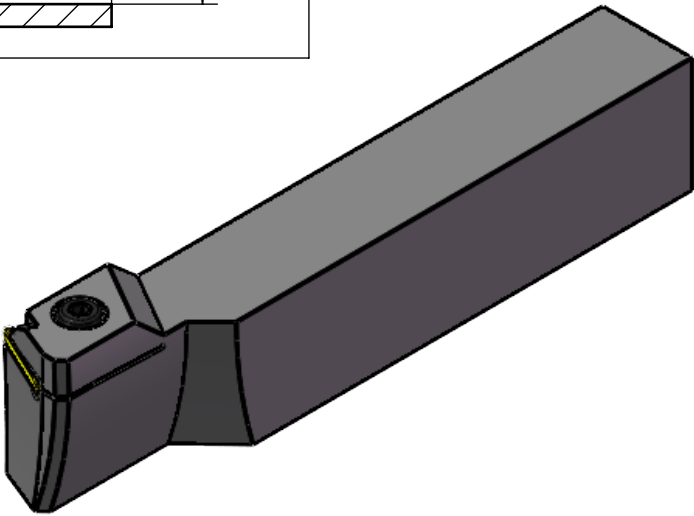
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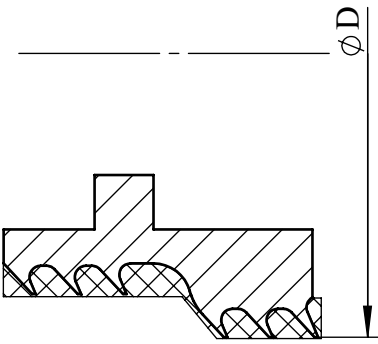
Технологический переход



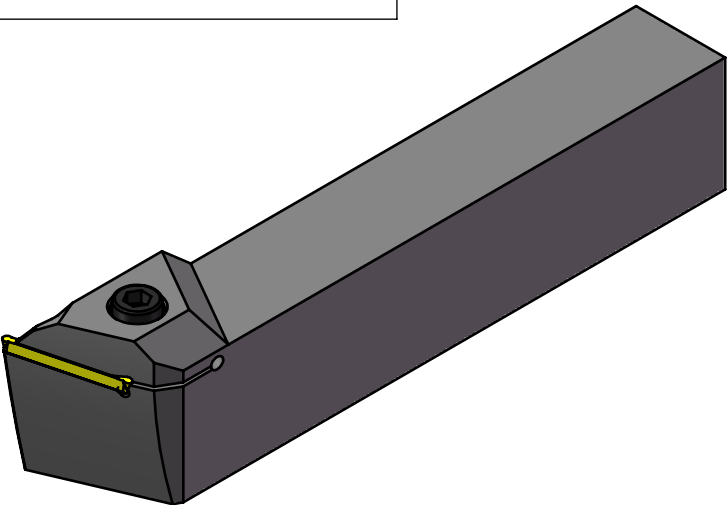
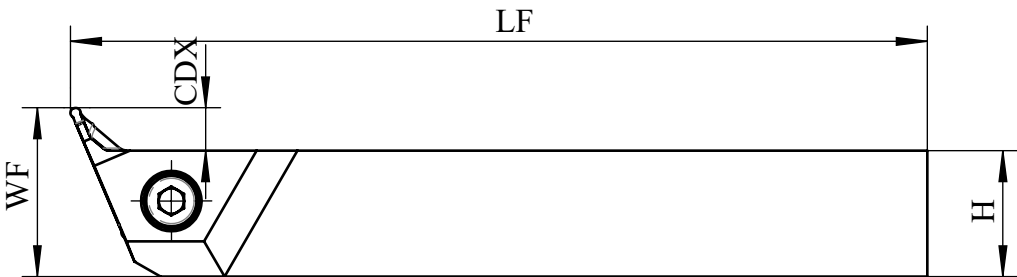
Инструмент №1



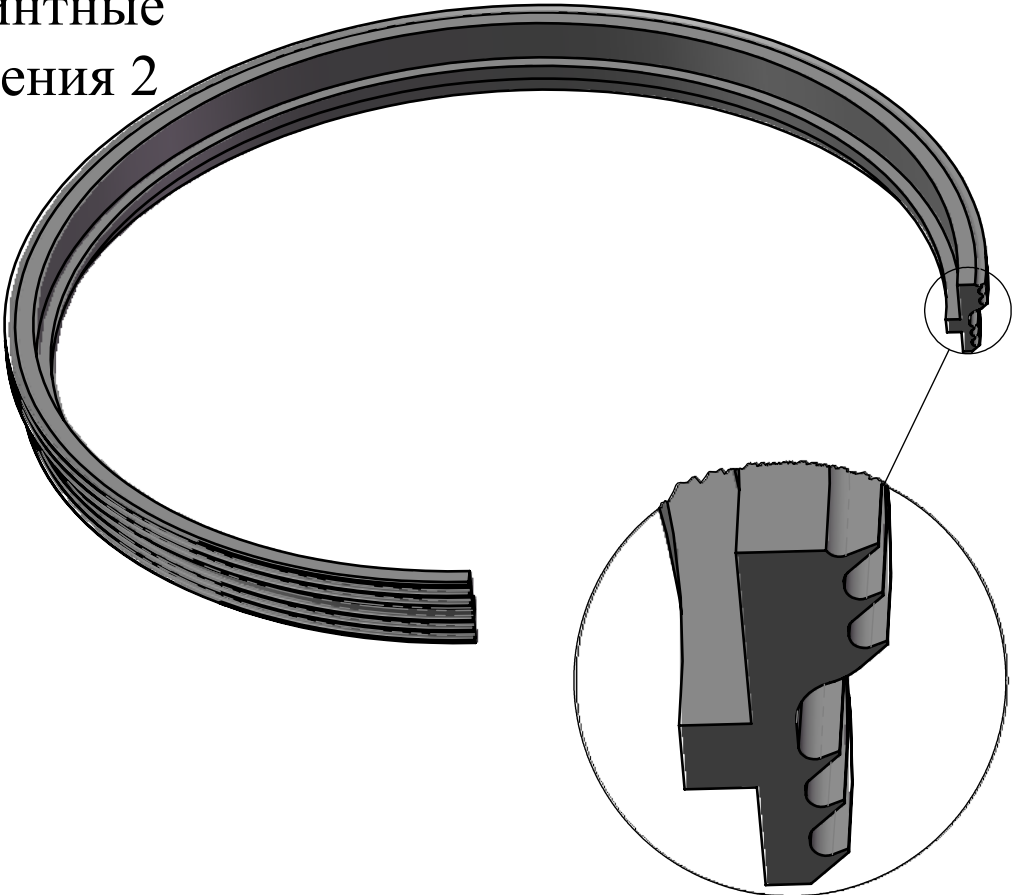
Технологический переход



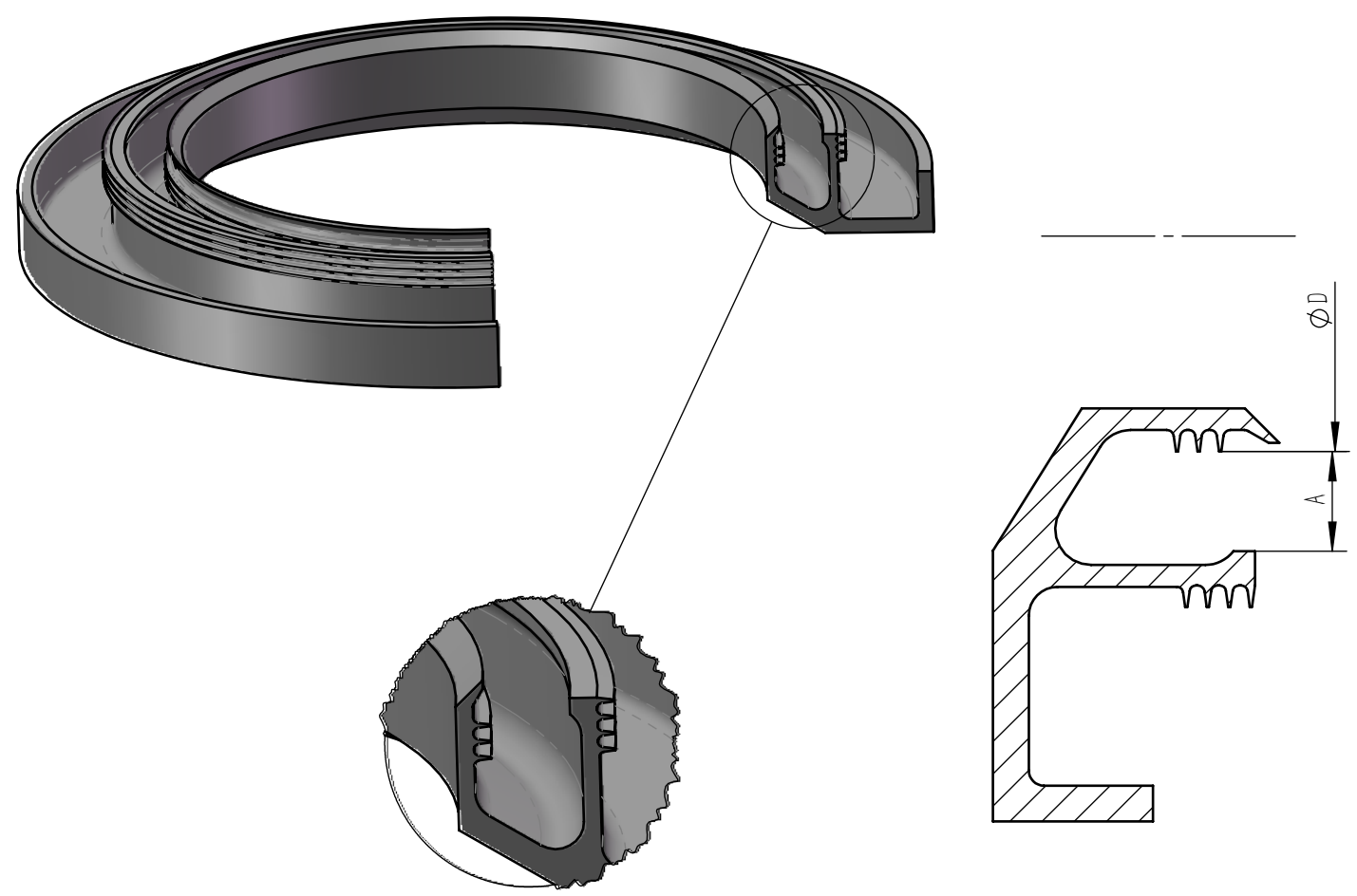
Инструмент №2



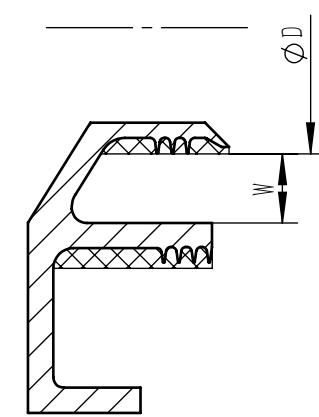
Лабиринтные уплотнения 2



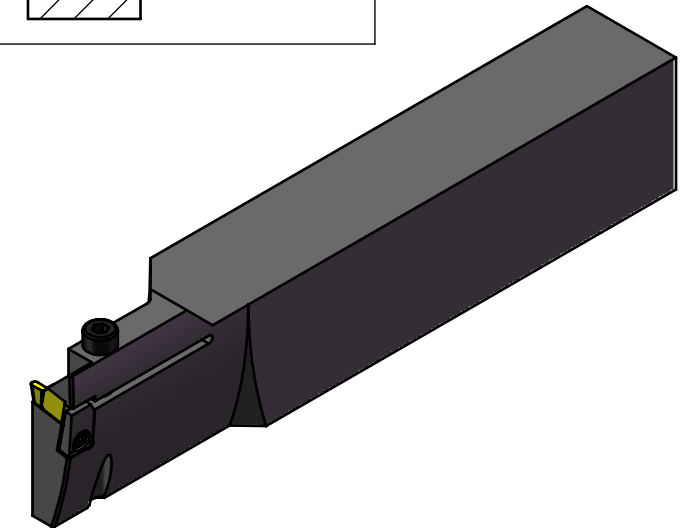
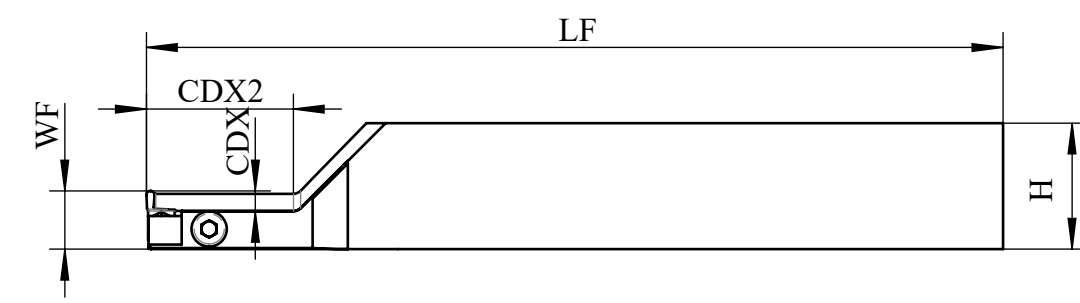
Лабиринтные уплотнения 3



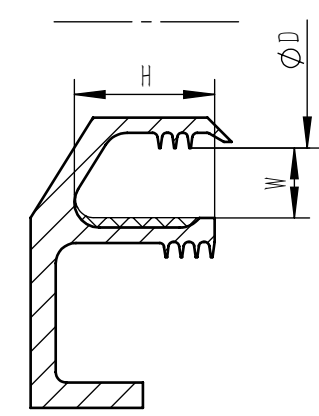
Технологический переход



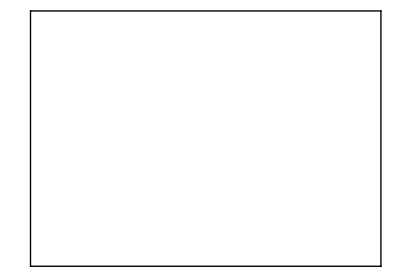
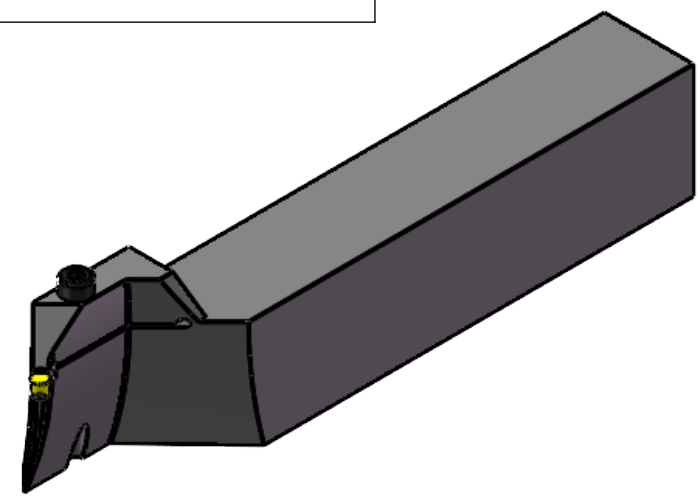
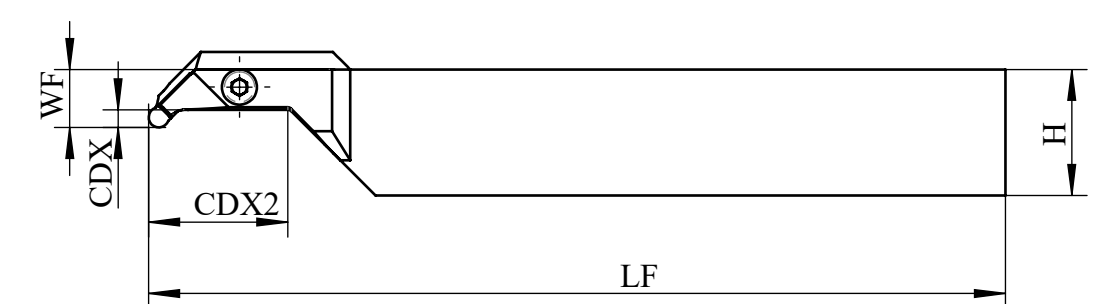
Инструмент №1



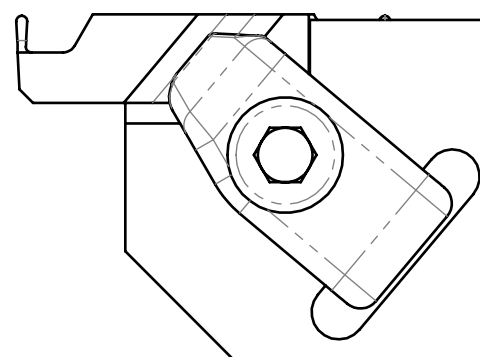
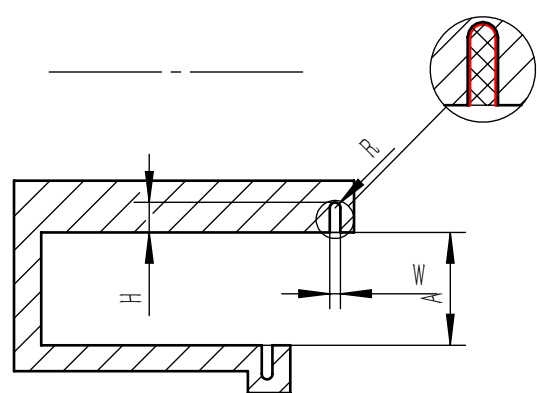
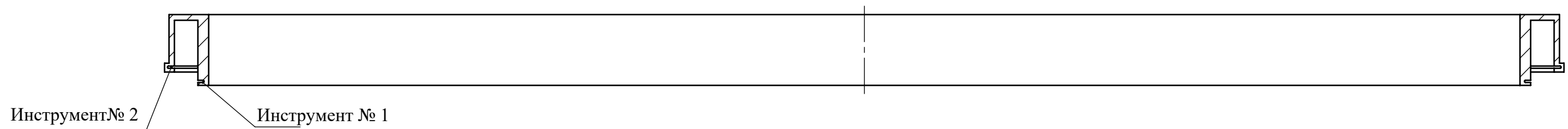
Технологический переход



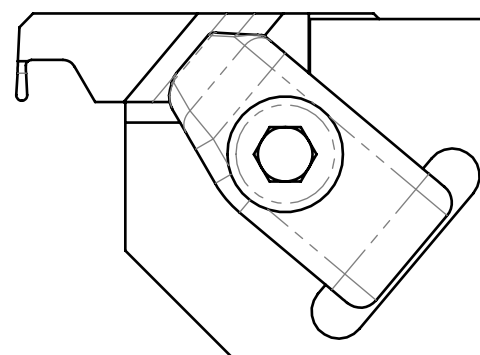
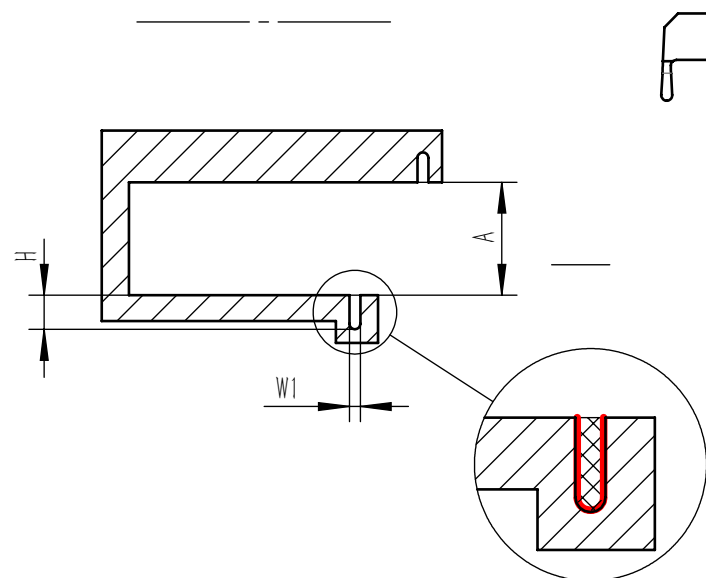
Инструмент №2



Радиальная канавка 1

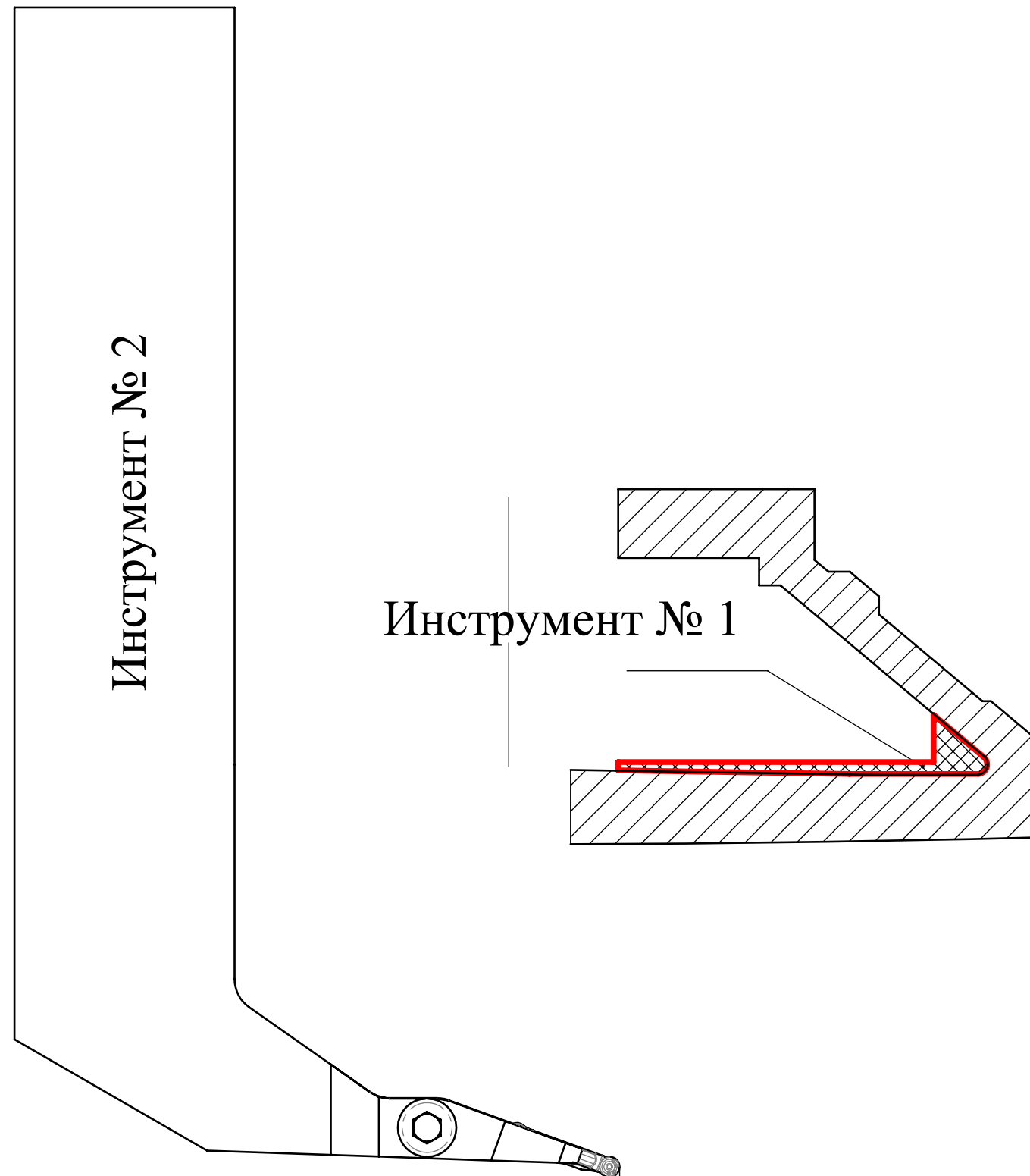
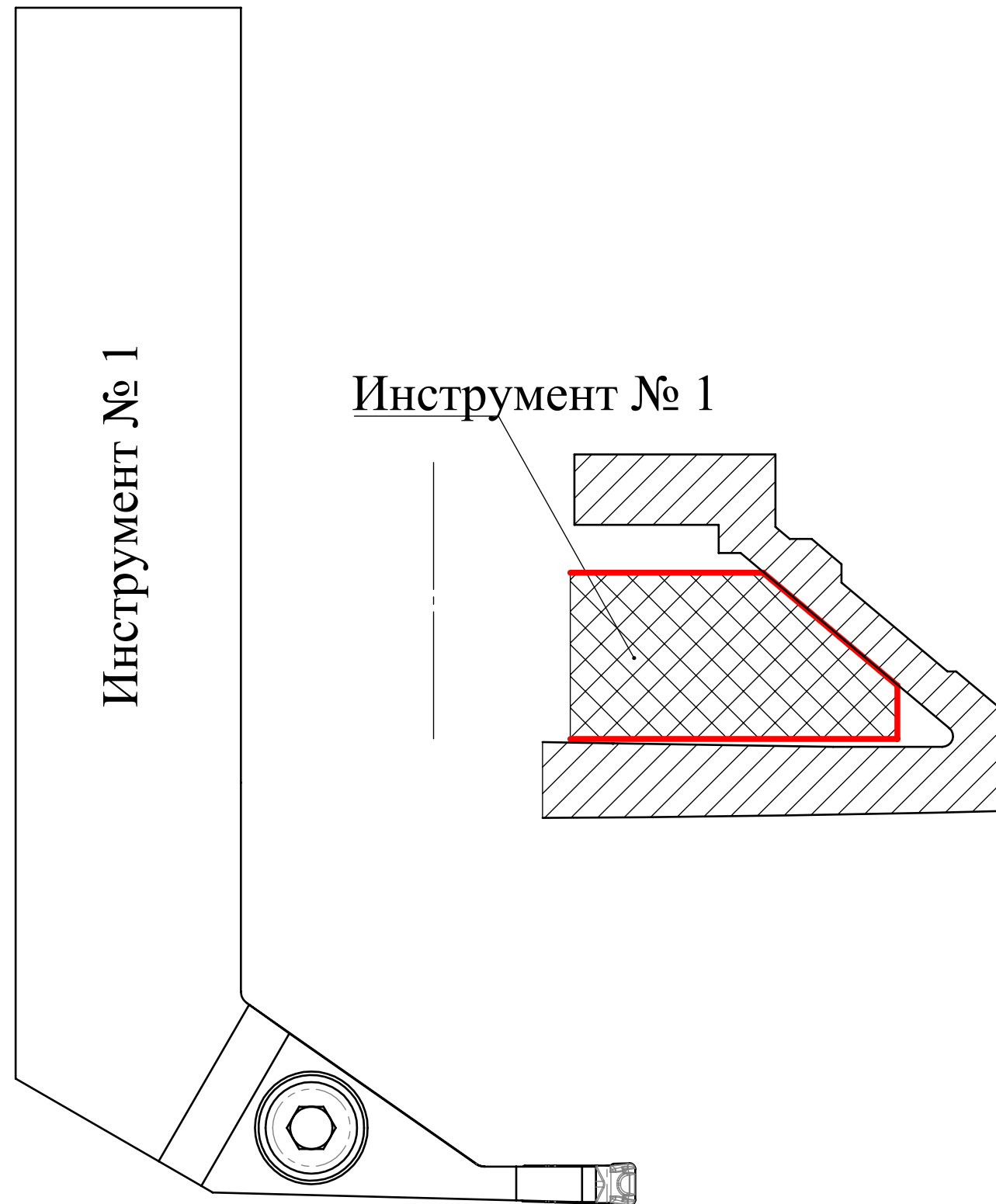
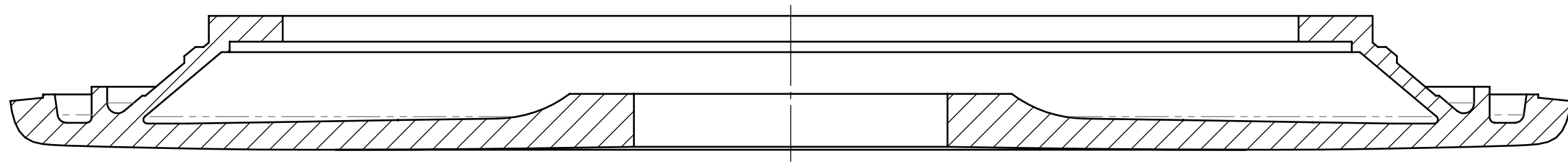


Инструмент № 1

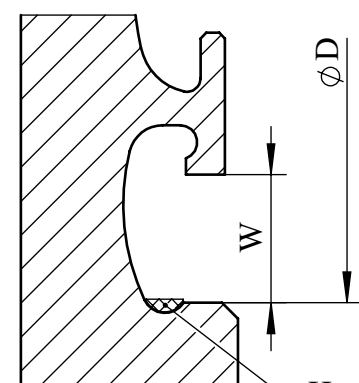
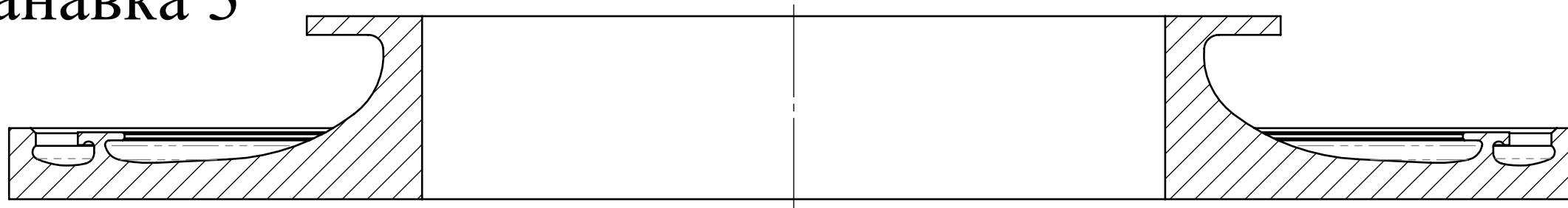


Инструмент № 2

Радиальная канавка 2



Радиальная канавка 3



Инструмент №1

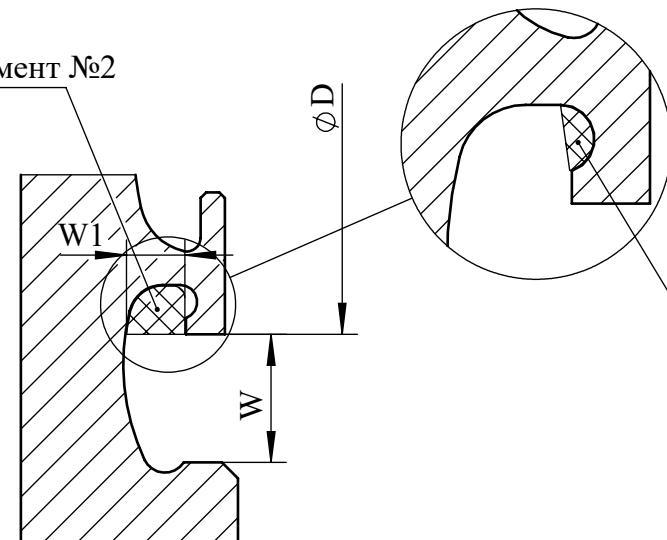


Инструмент №1



Инструмент №2

Инструмент №2

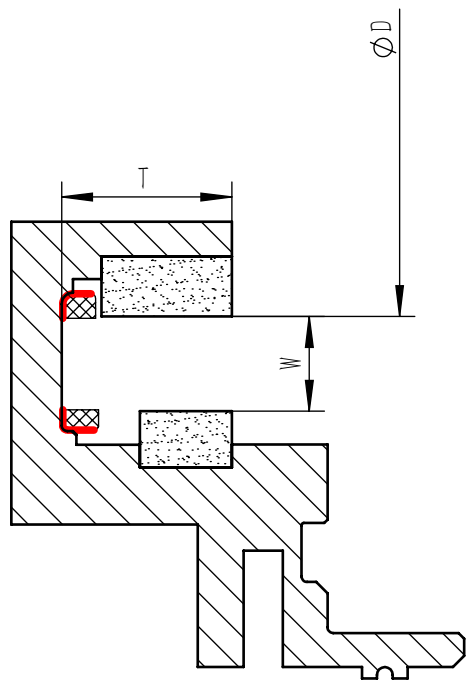


Инструмент №3

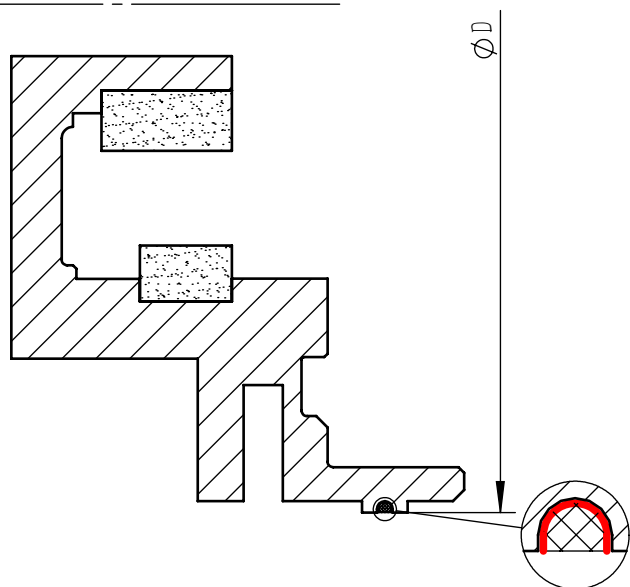


Инструмент №3

Радиальная канавка 4

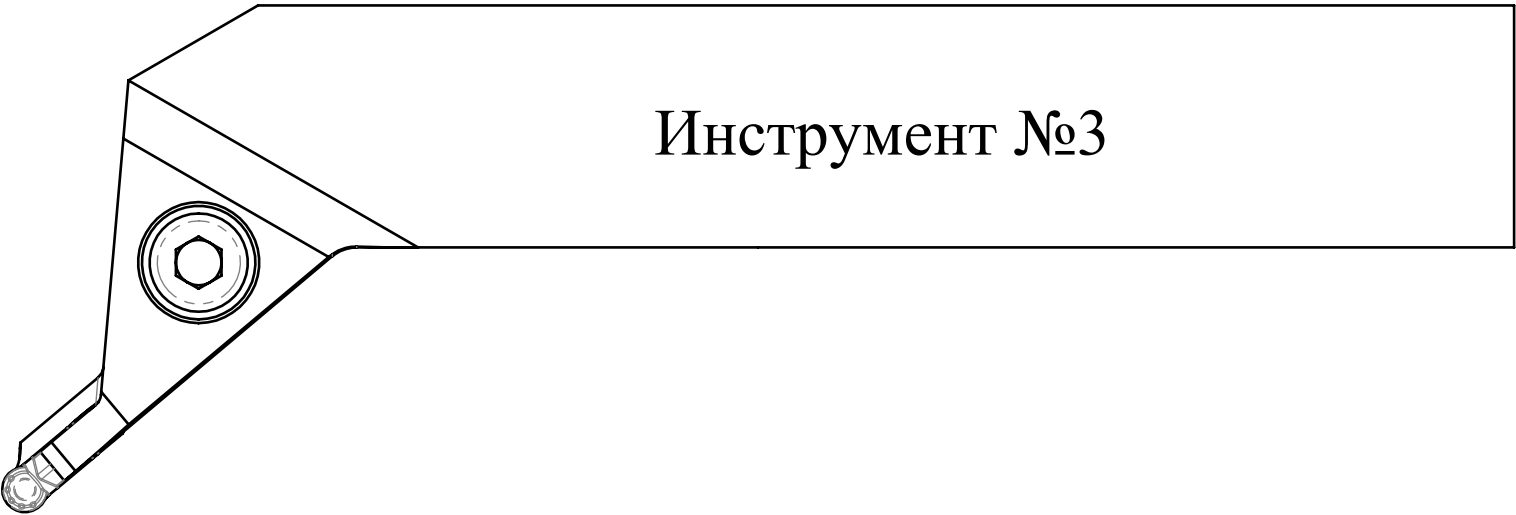
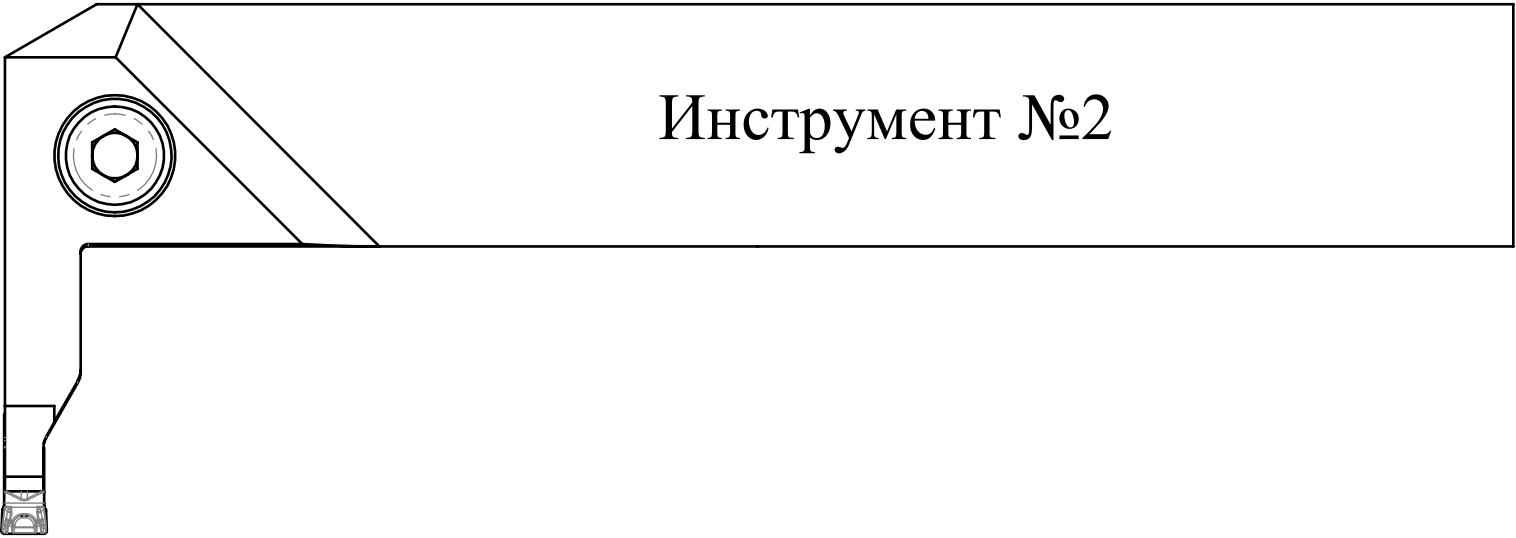
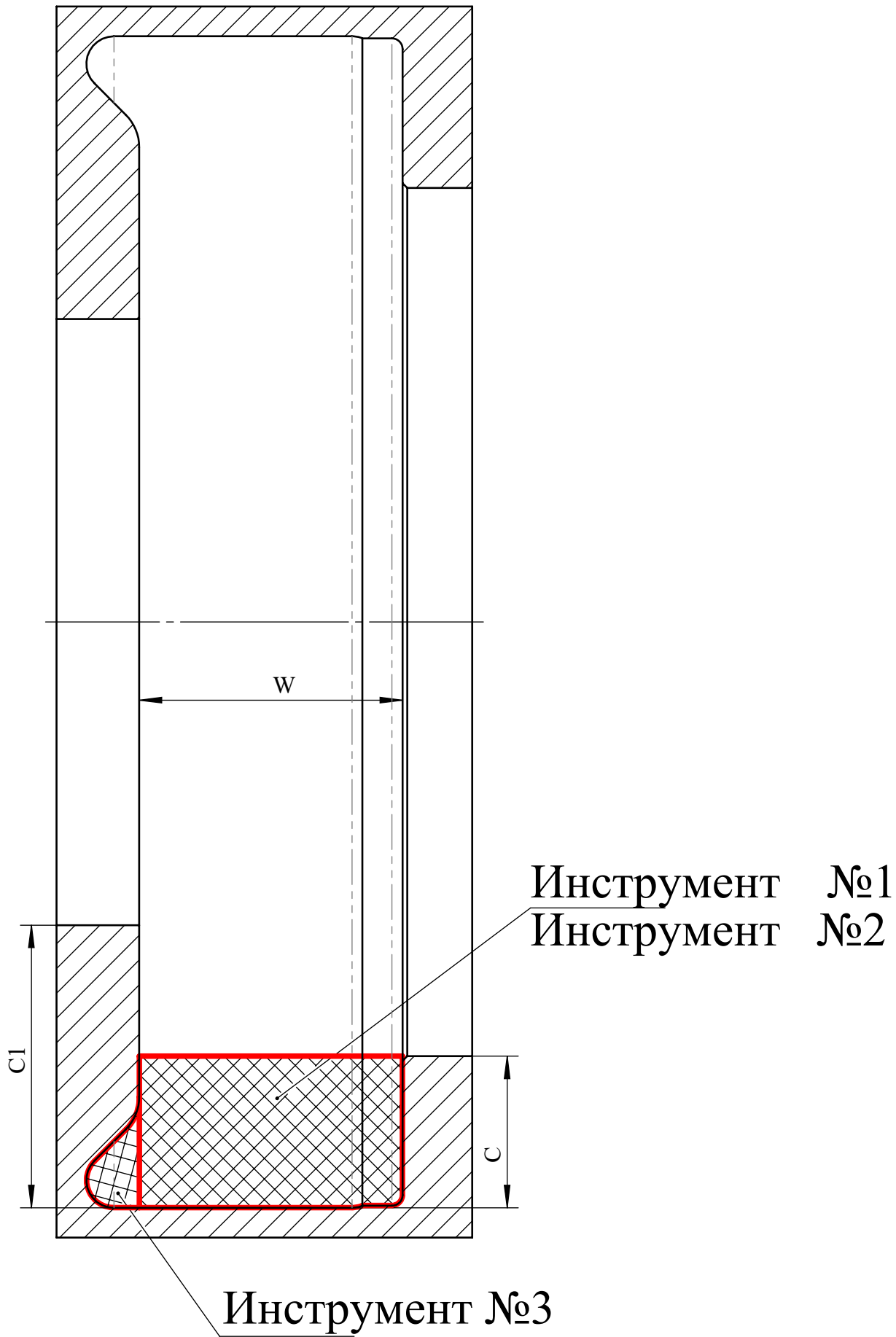


Инструмент №1



Инструмент №2

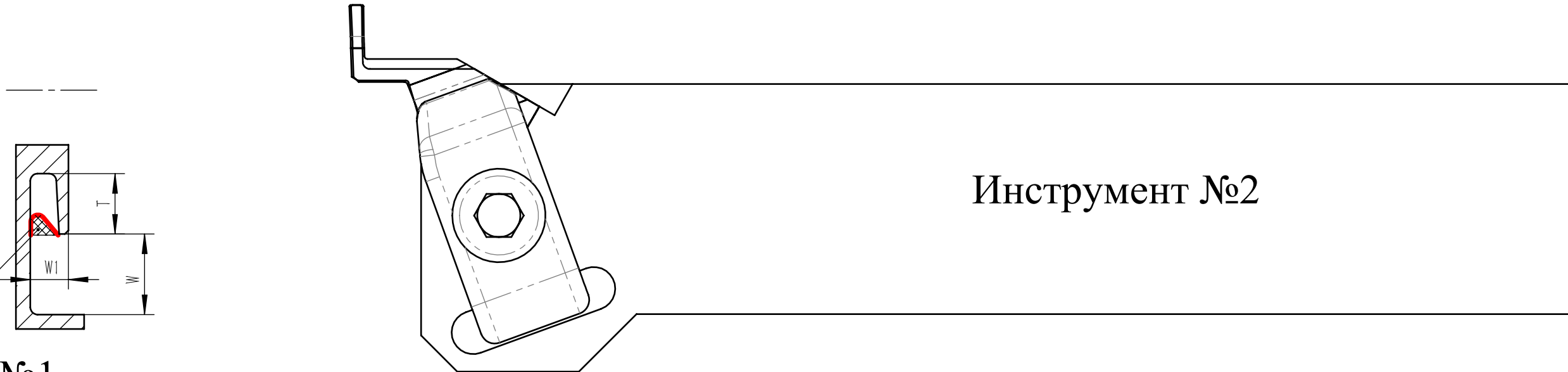
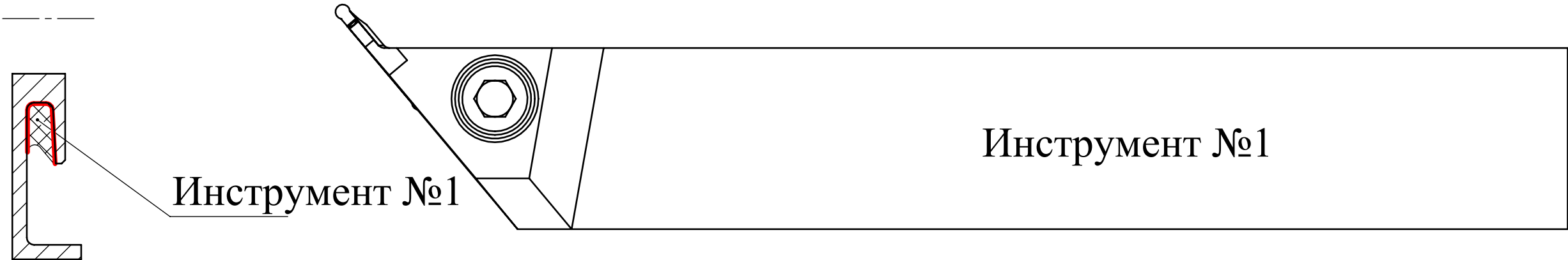
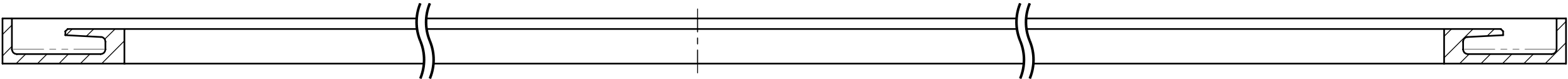
Радиальная канавка 5



c_1

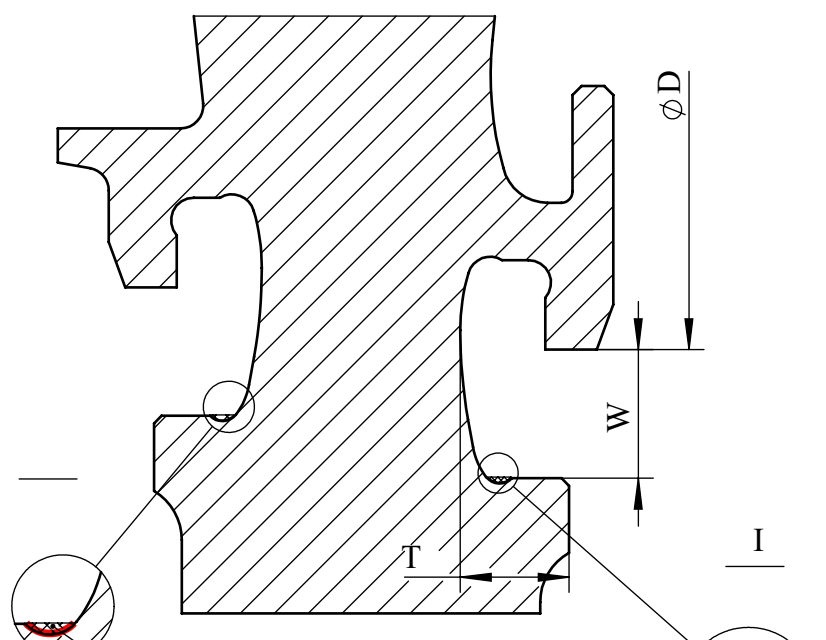
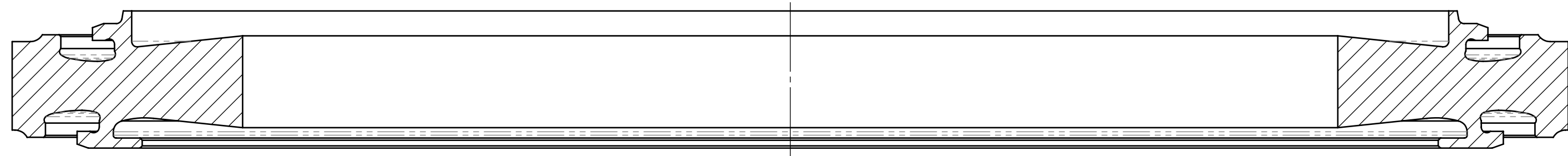
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Радиальная канавка 6

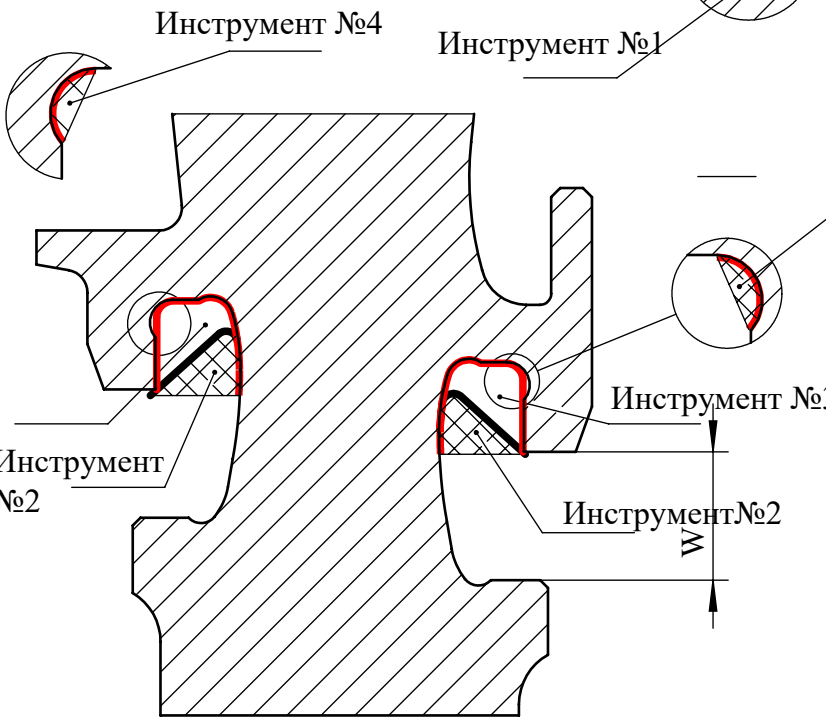


Инструмент №1

Радиальная канавка 7



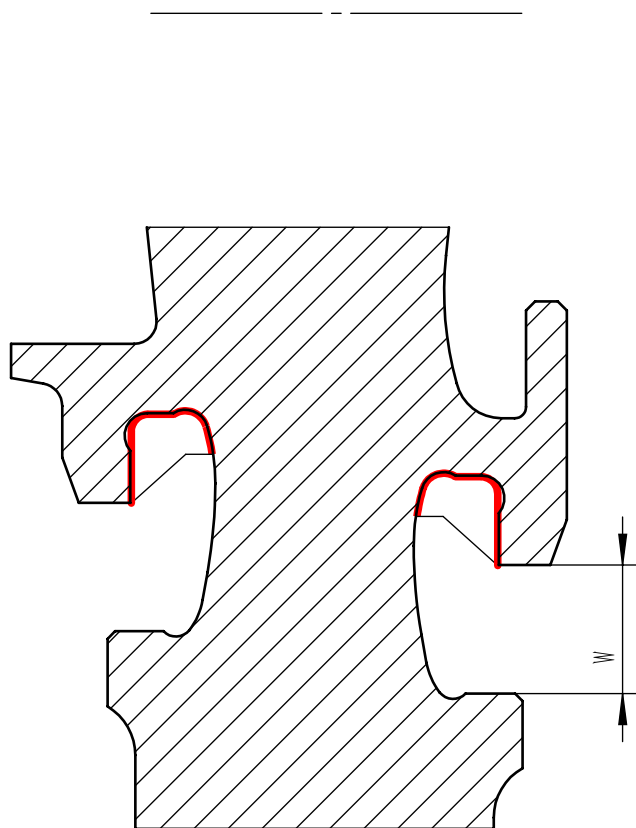
Инструмент №1



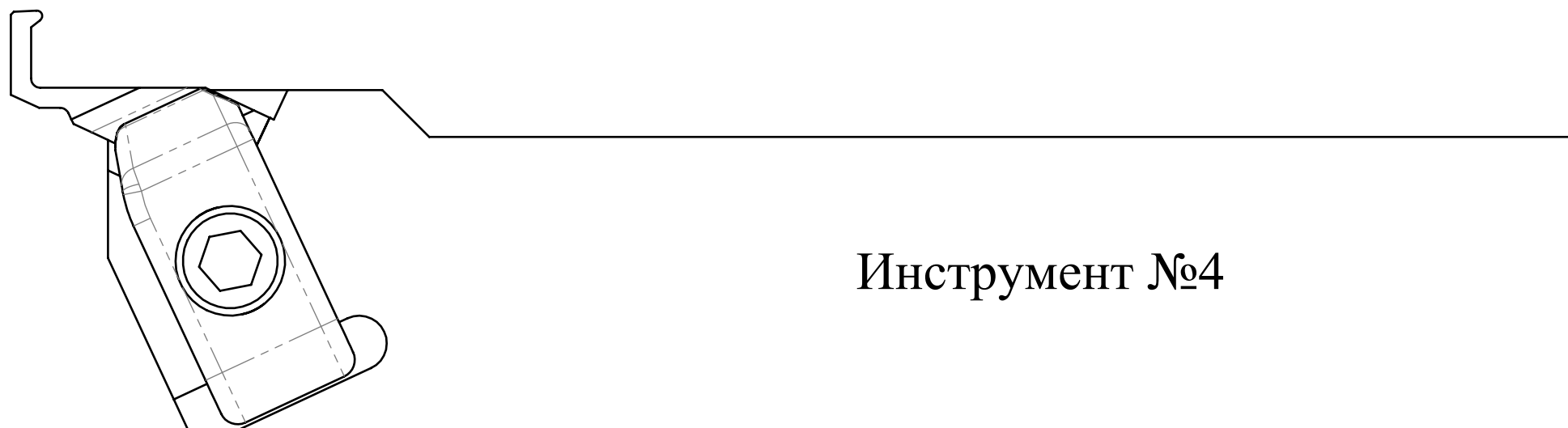
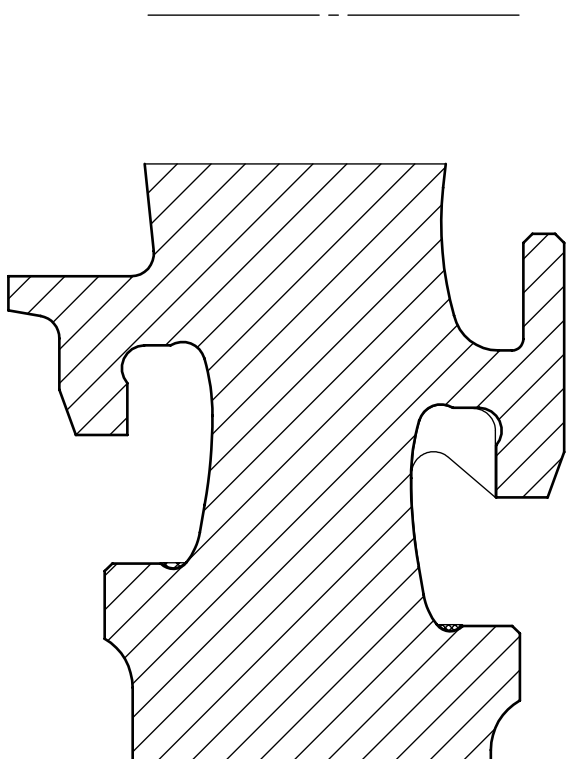
Инструмент №2



Радиальная канавка 8

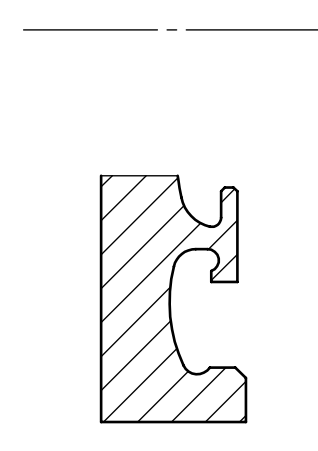
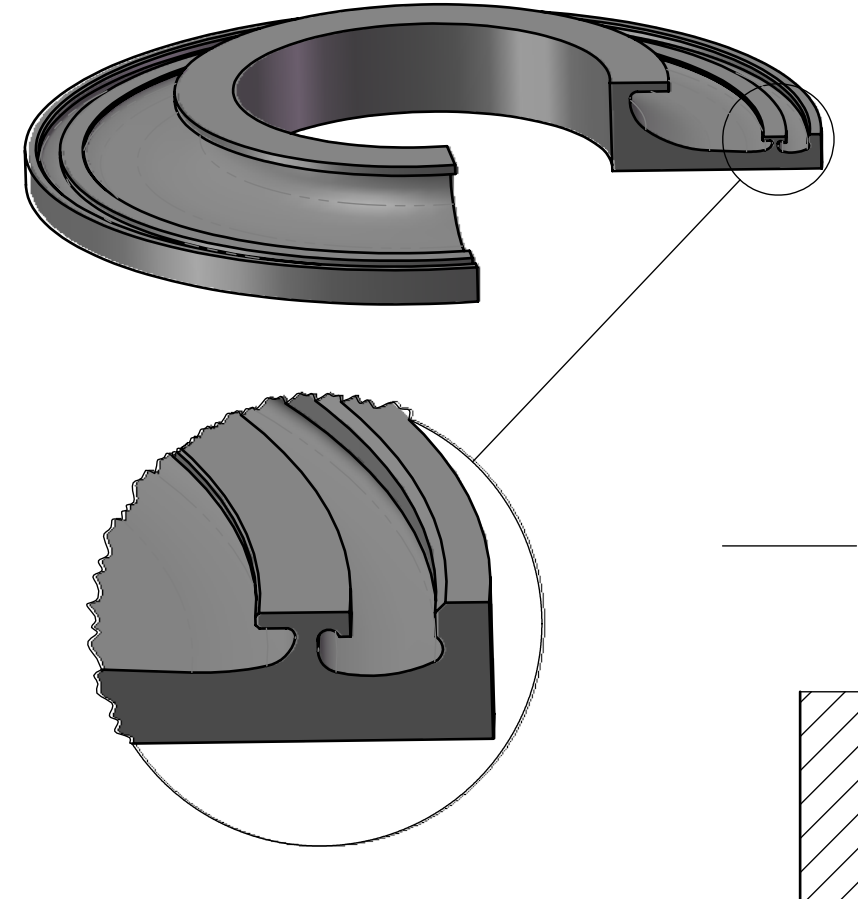
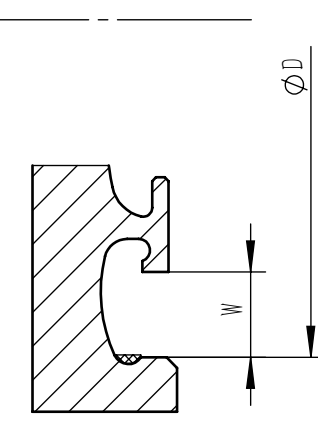
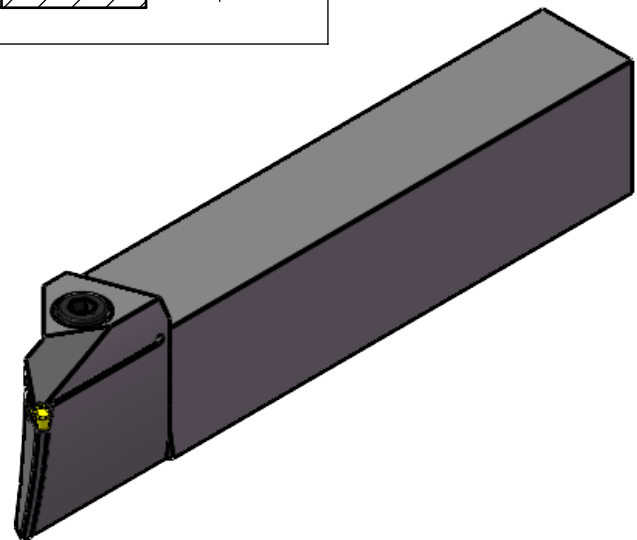
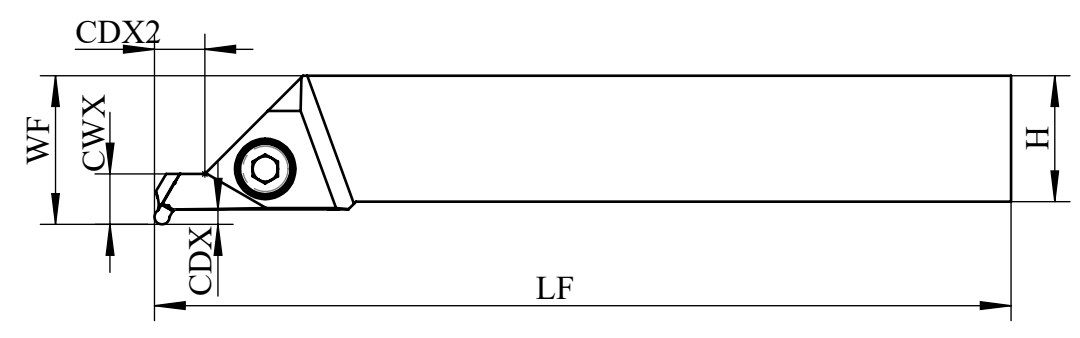
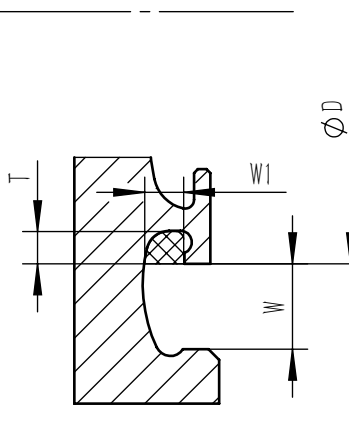
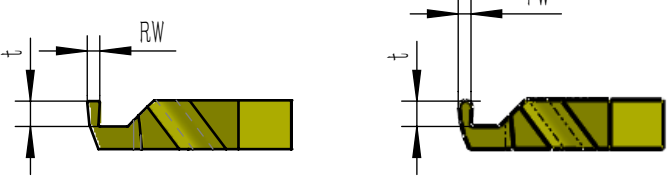
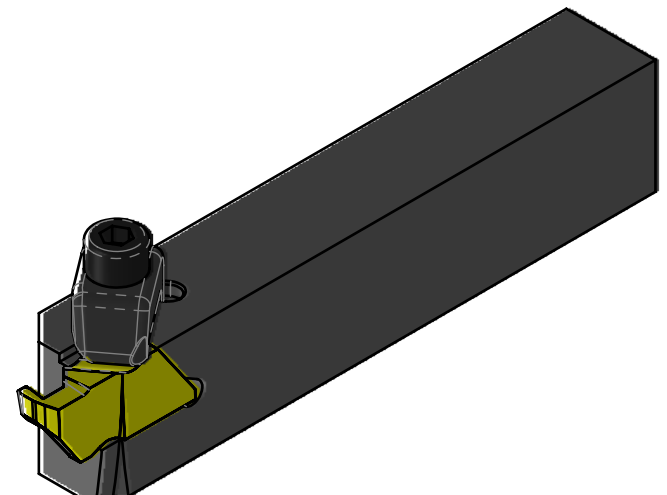
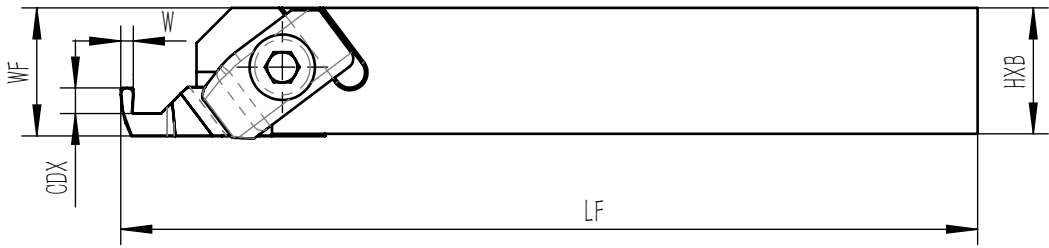
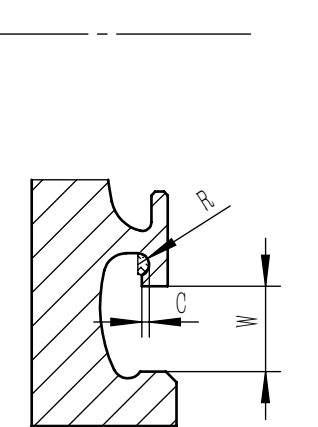
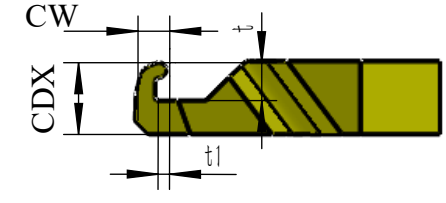
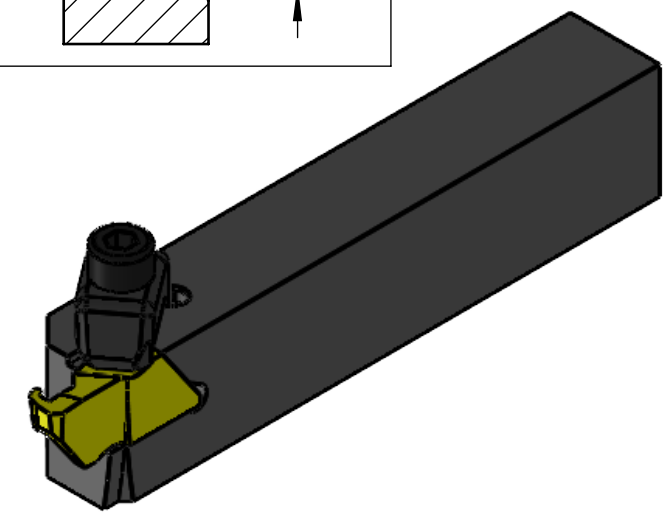
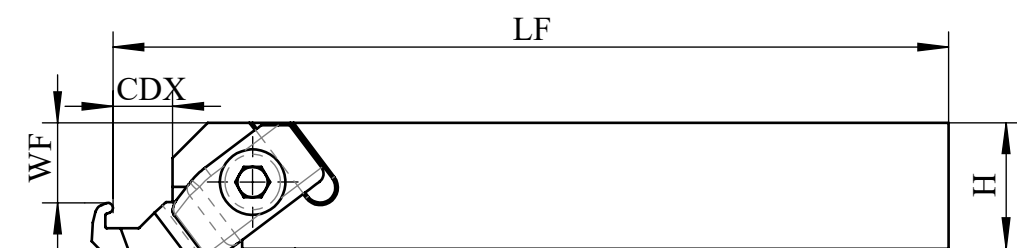


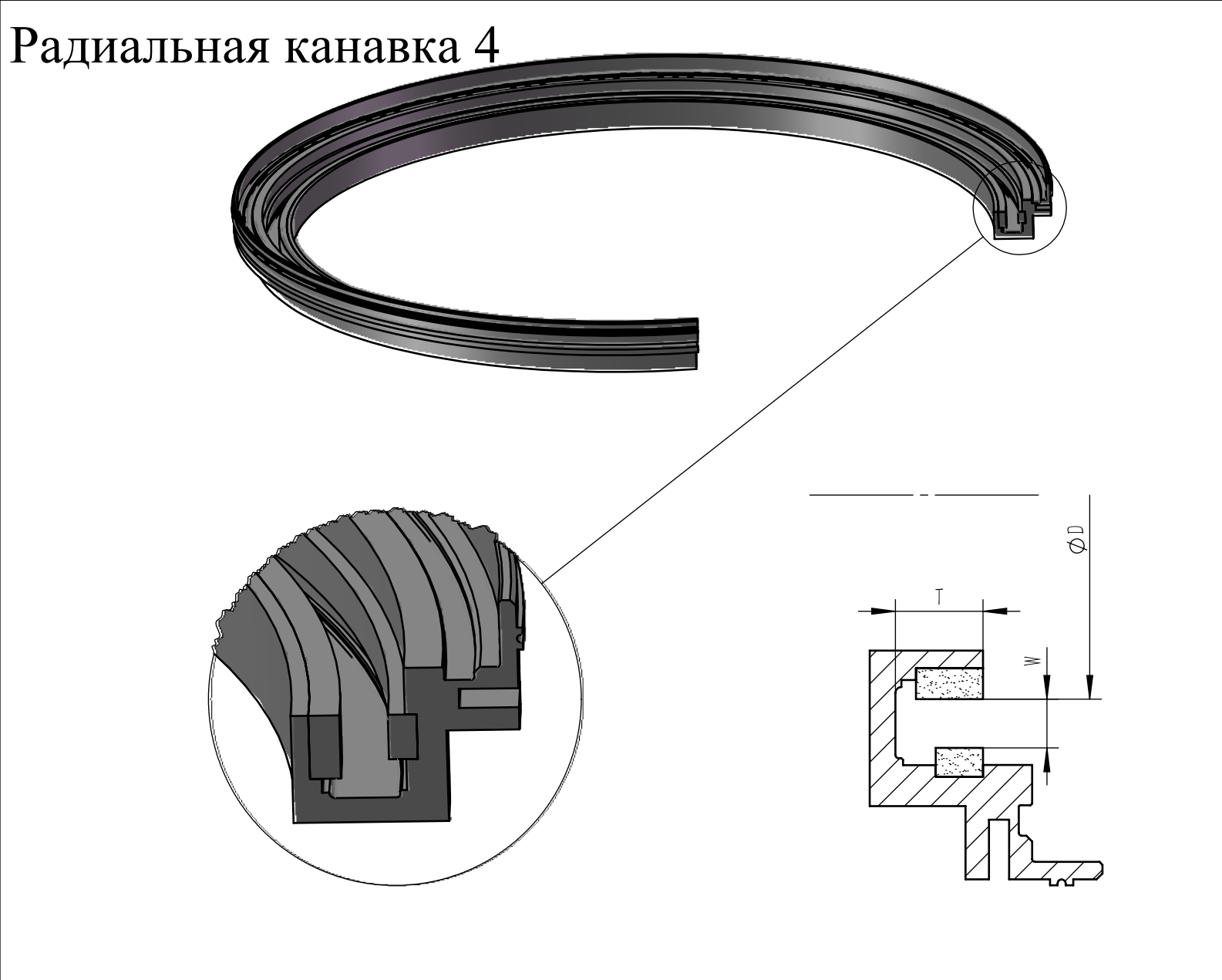
Инструмент №3



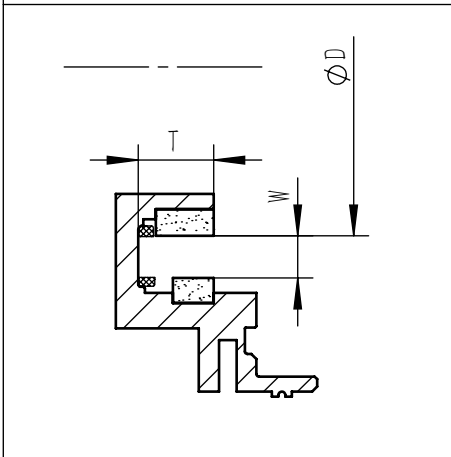
Инструмент №4

Радиальная канавка 2	Технологический переход Технологический переход	Инструмент №1	Инструмент №2
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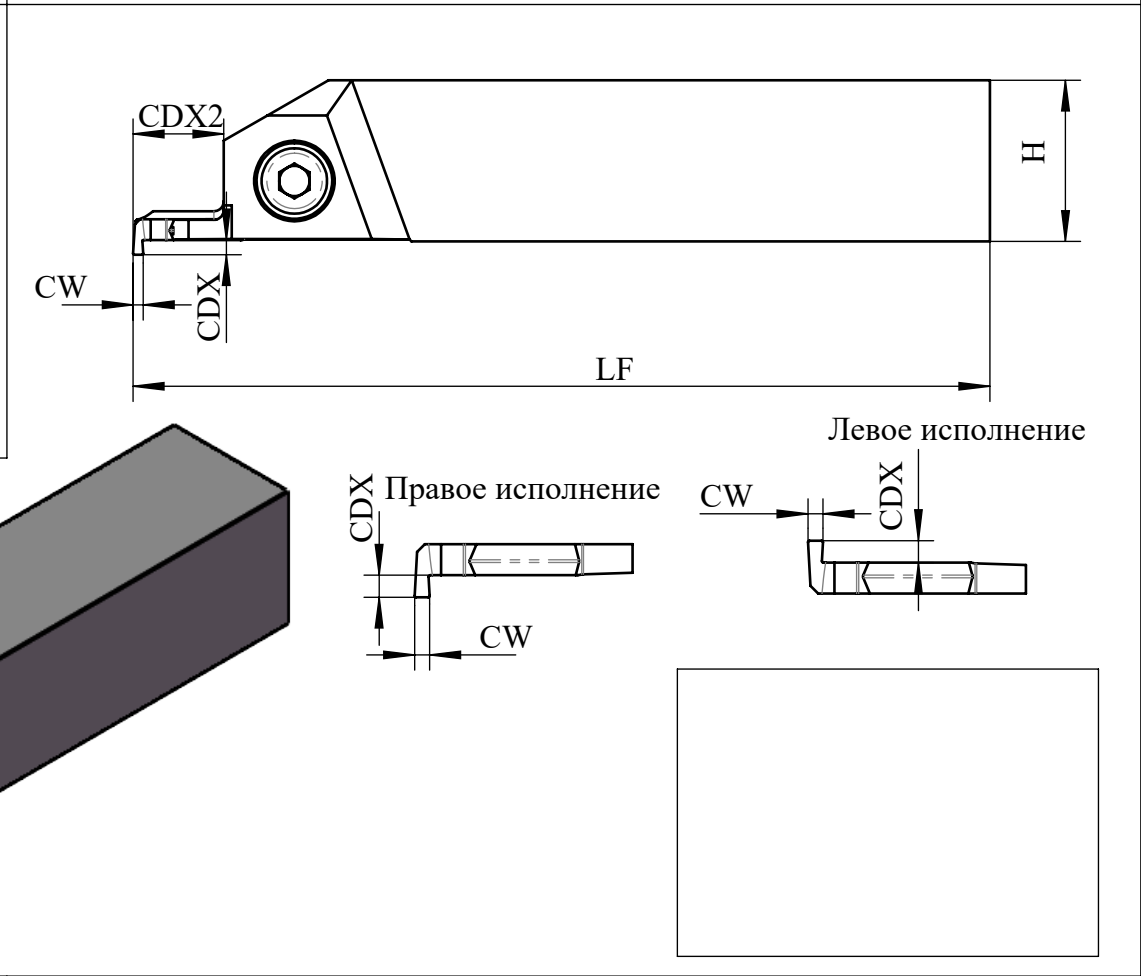
Радиальная канавка 3 		Технологический переход 	Инструмент №1 
Технологический переход 	Инструмент №2 	Технологический переход 	Инструмент №3 



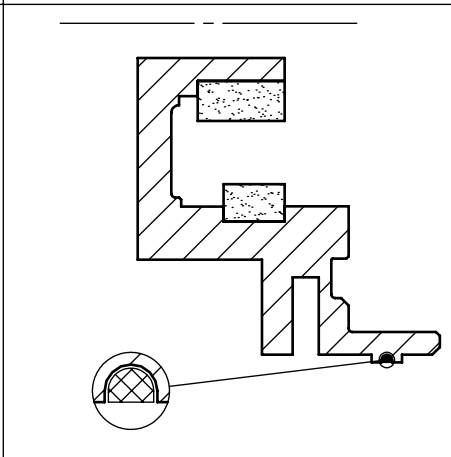
Технологический переход



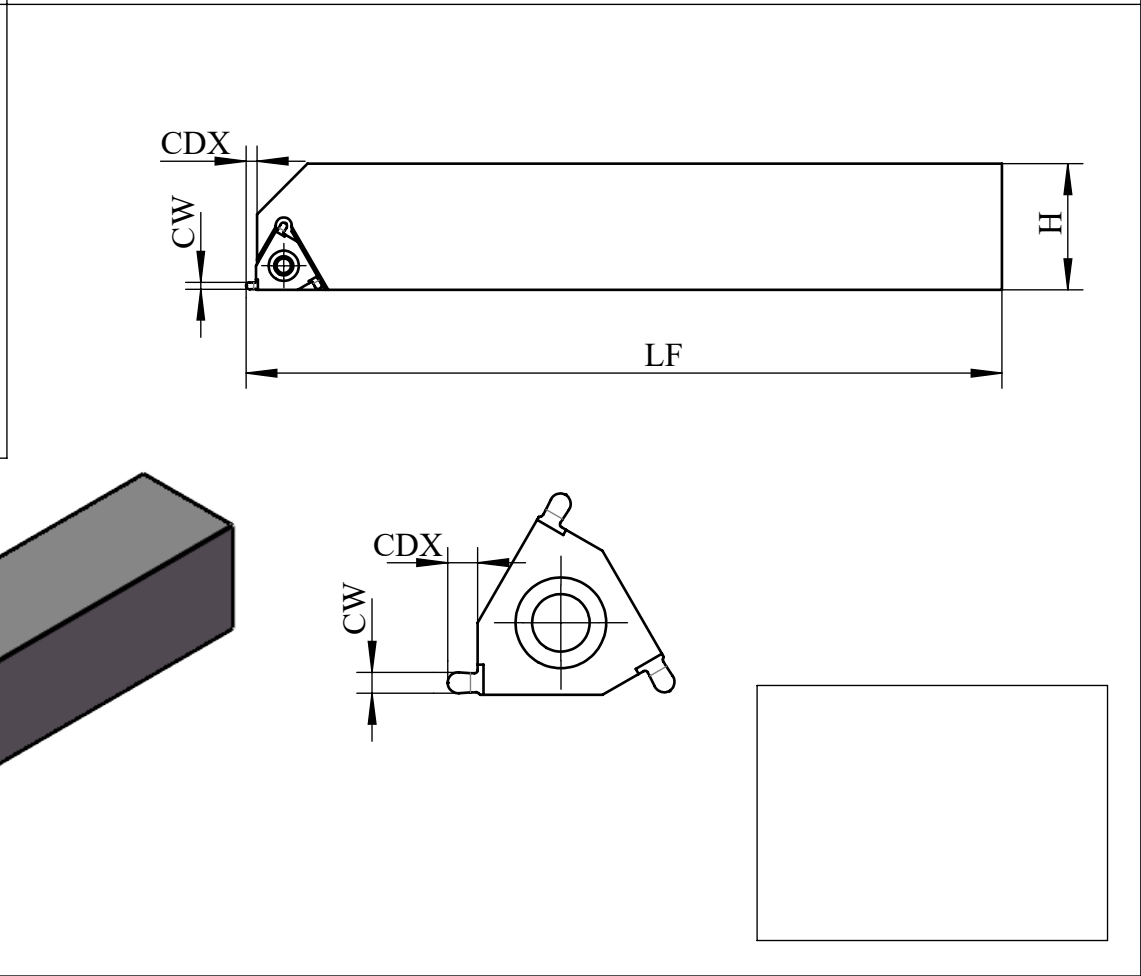
Инструмент №1

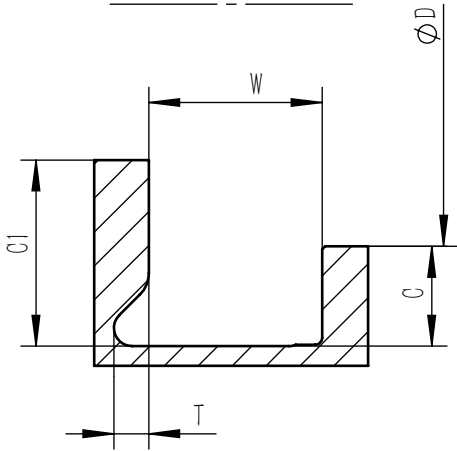
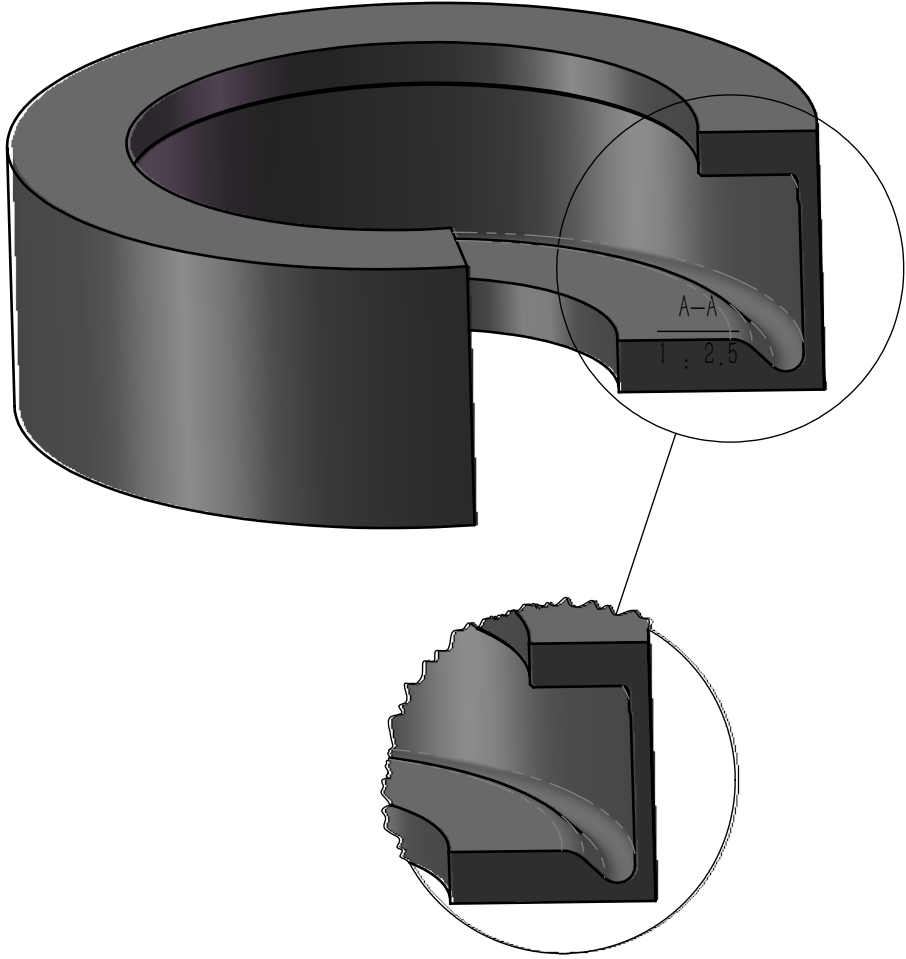
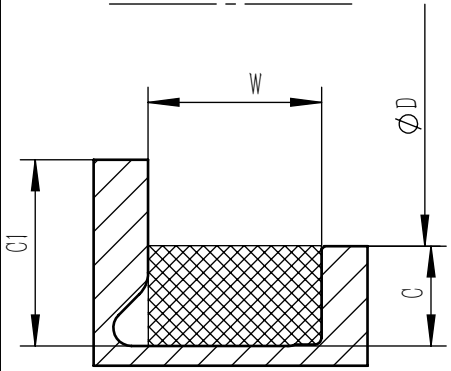
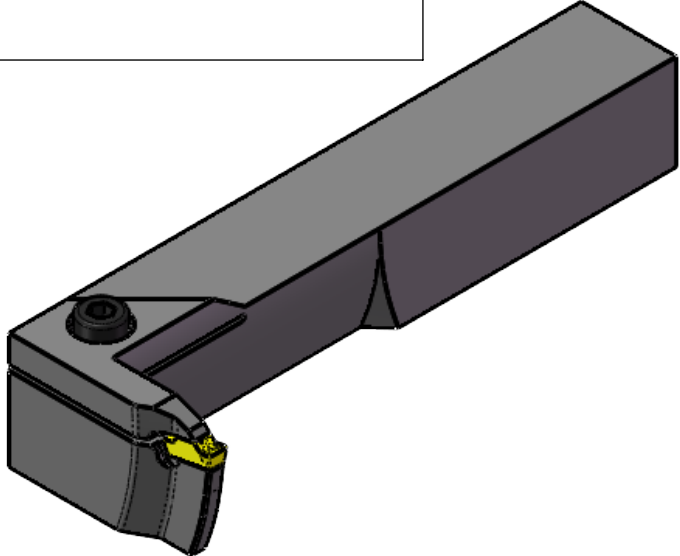
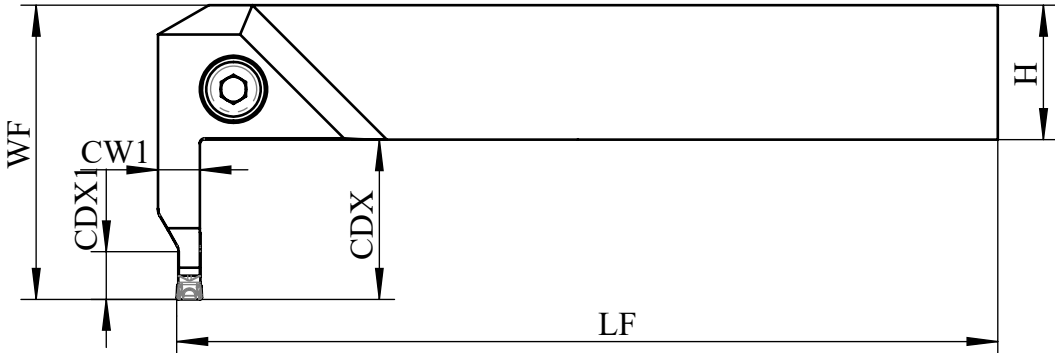
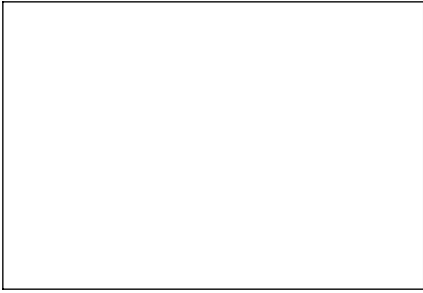
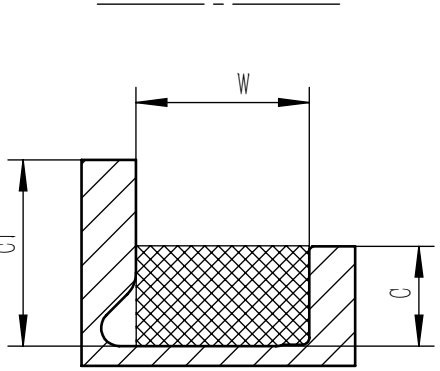
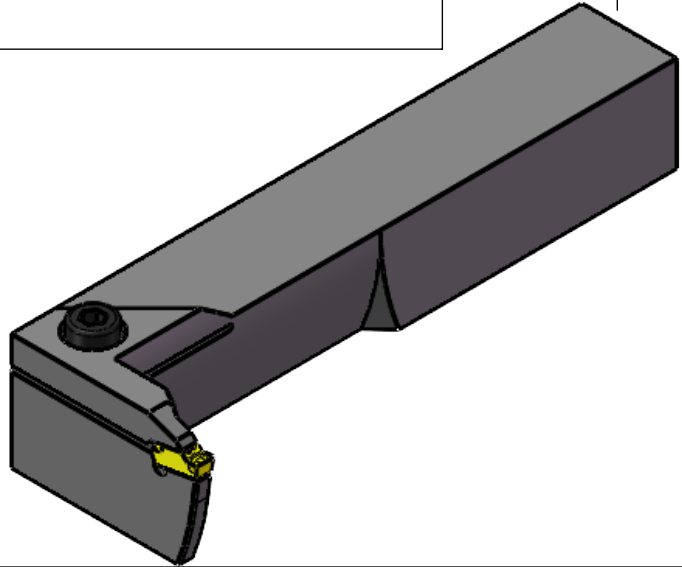
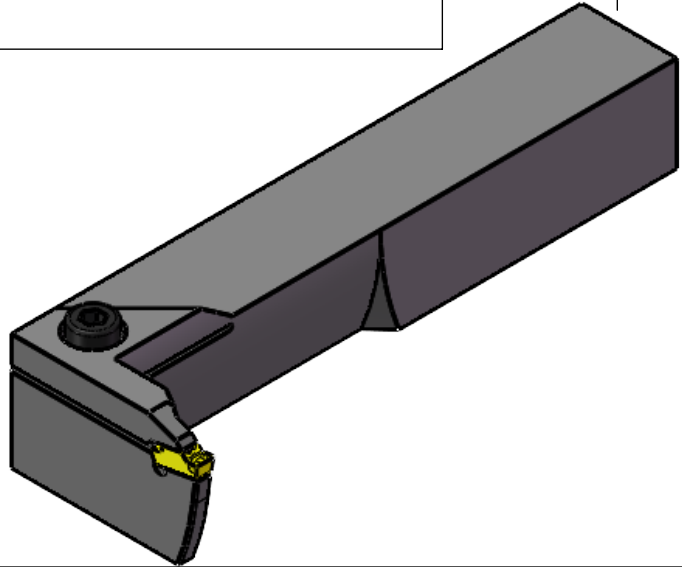
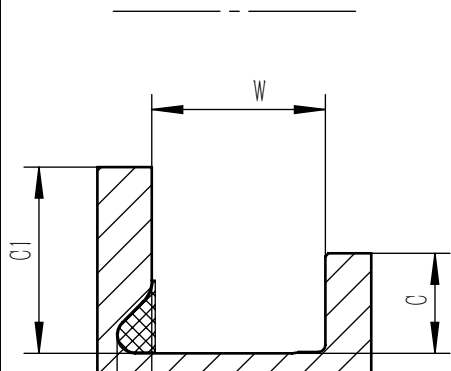
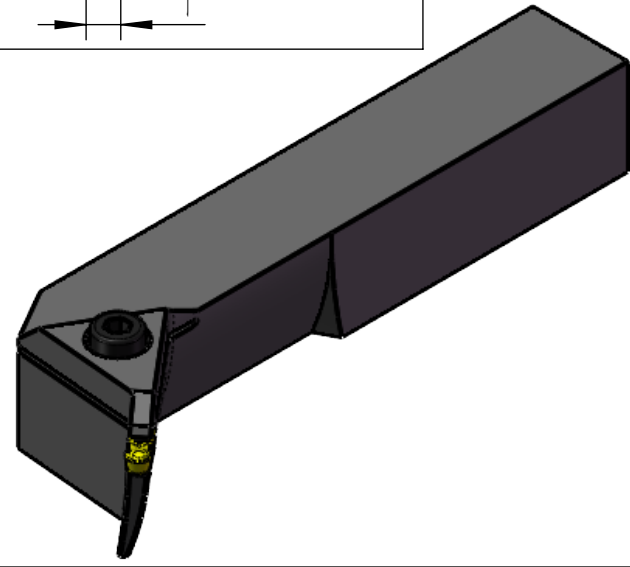
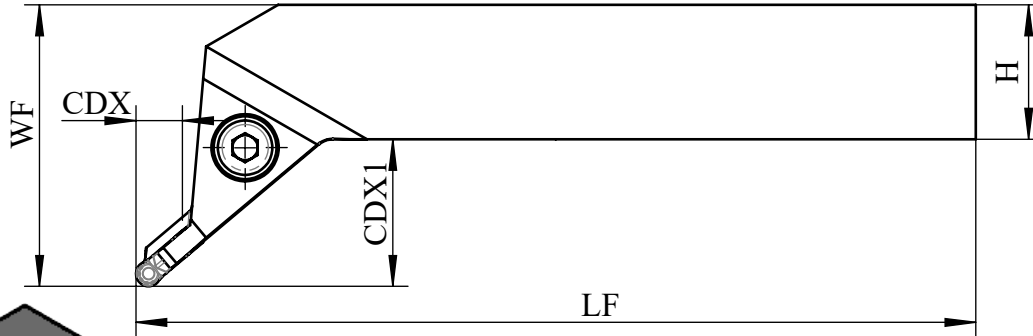
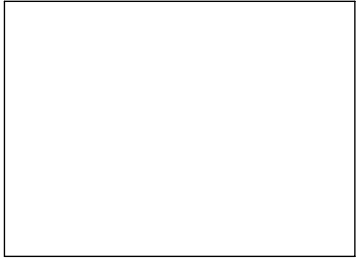


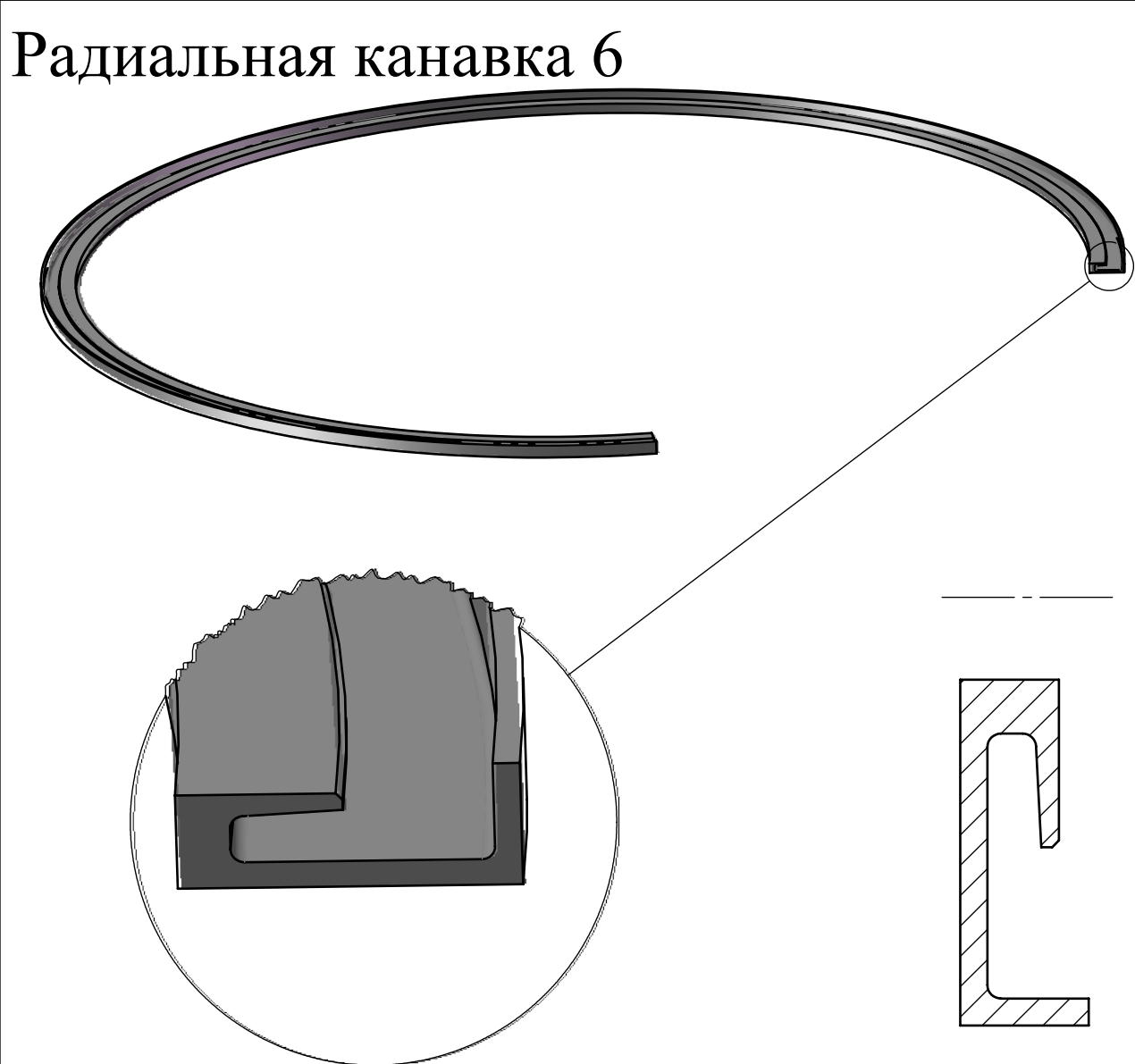
Технологический переход



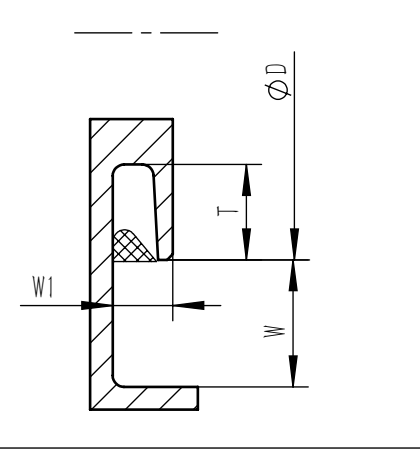
Инструмент №2



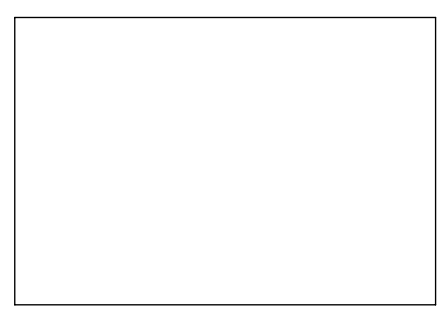
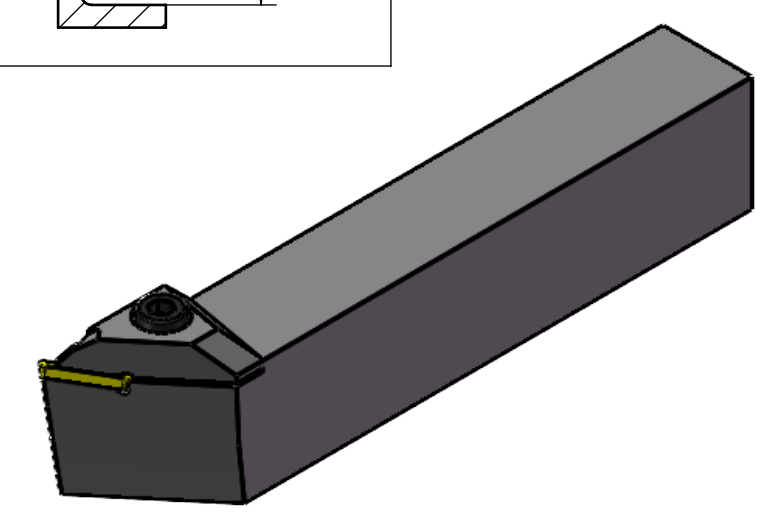
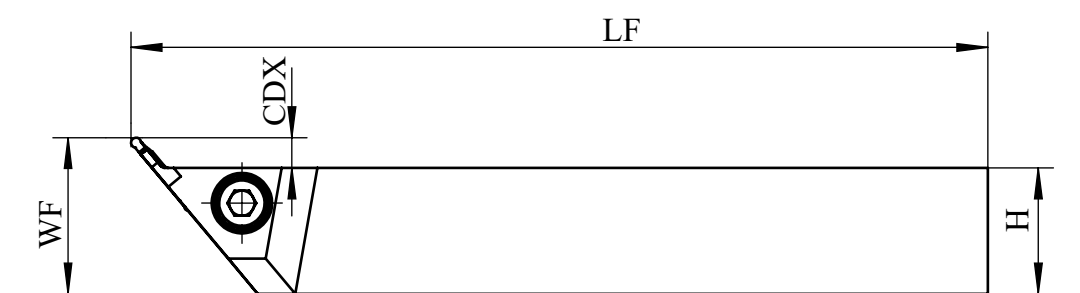
Радиальная канавка 5 		Технологический переход  	Инструмент №1  
Технологический переход  	Инструмент №2  	Технологический переход  	Инструмент №3  



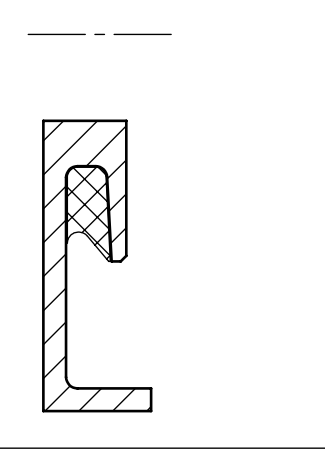
Технологический переход



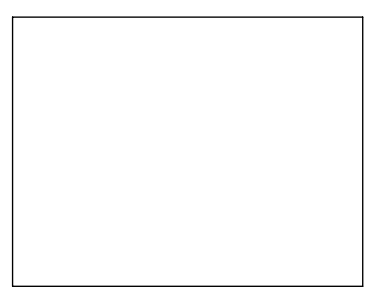
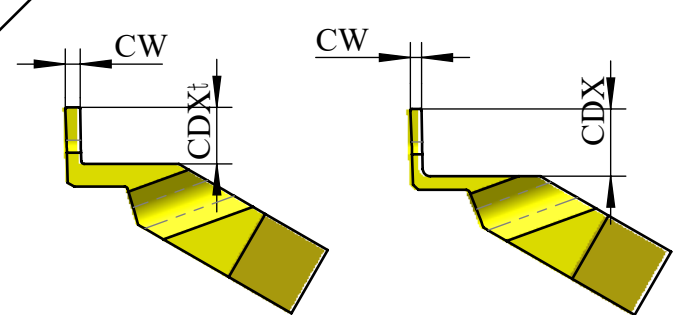
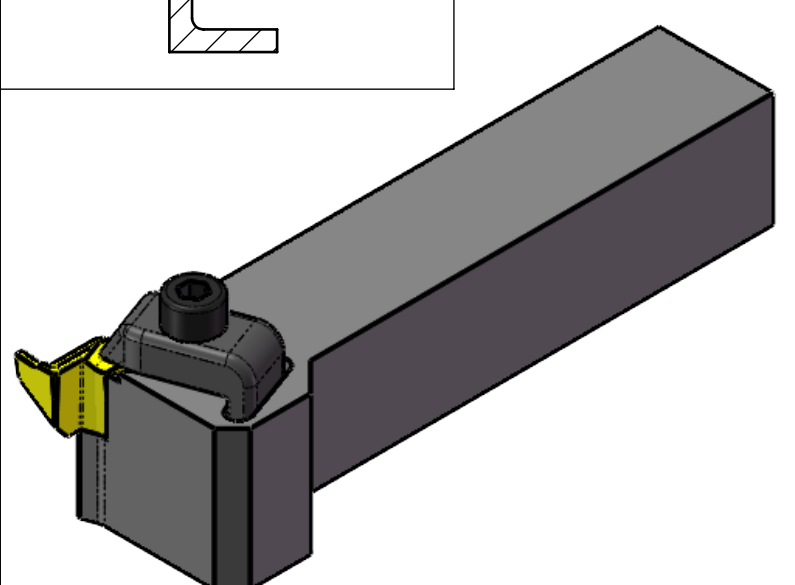
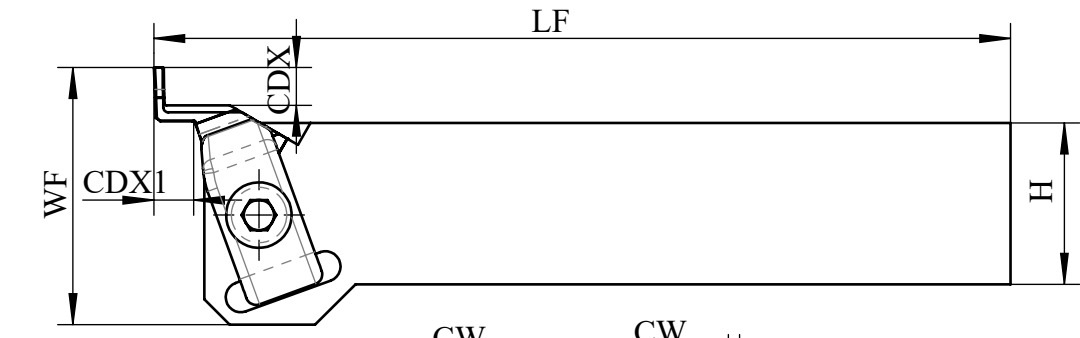
Инструмент №1



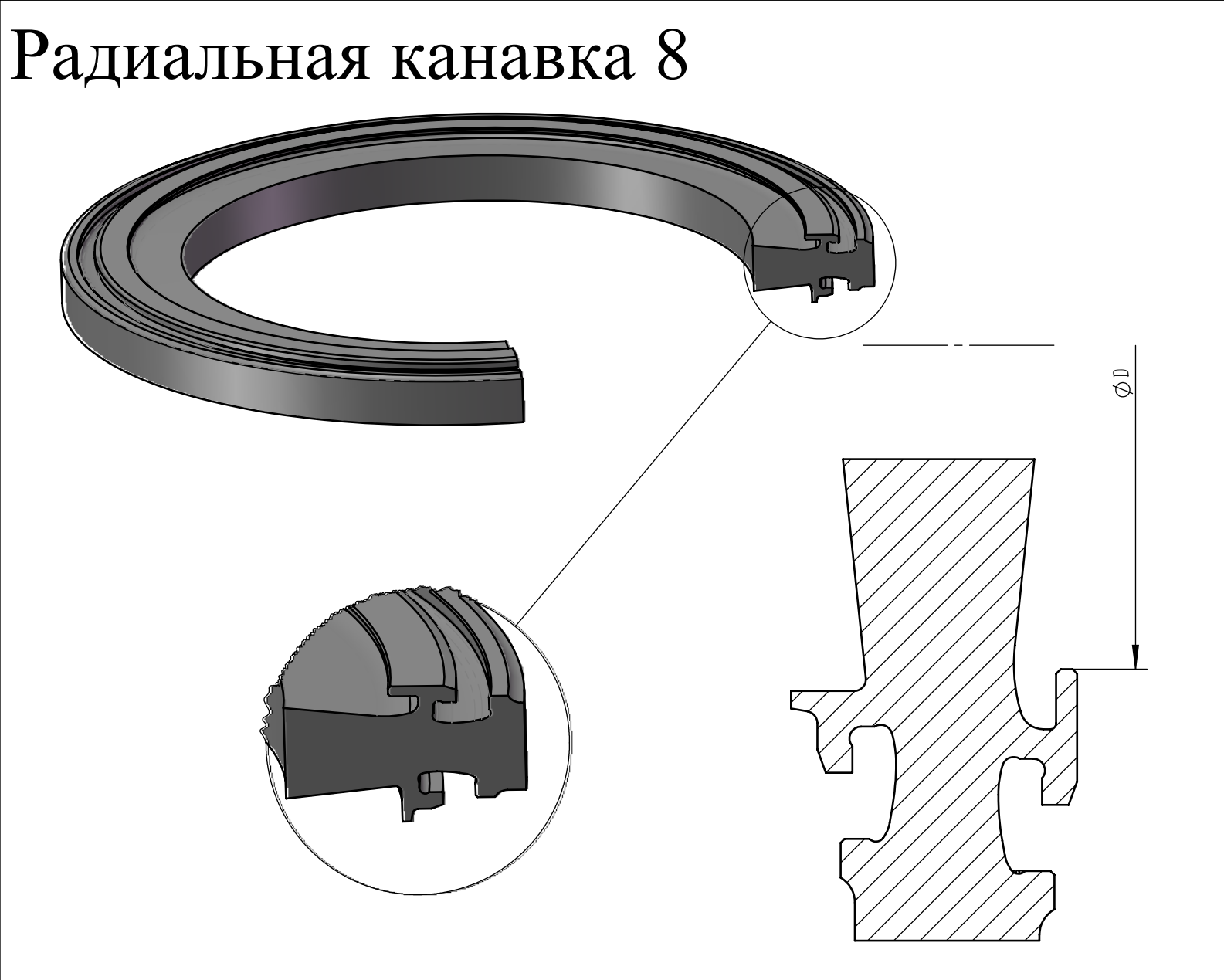
Технологический переход



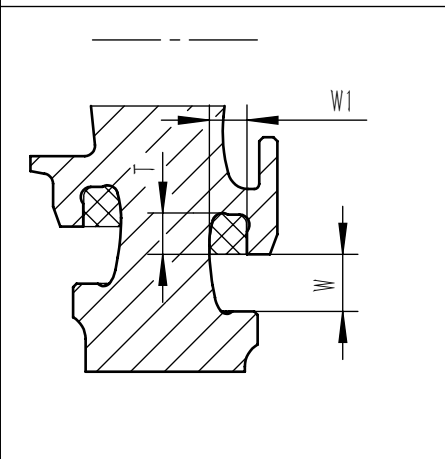
Инструмент №2



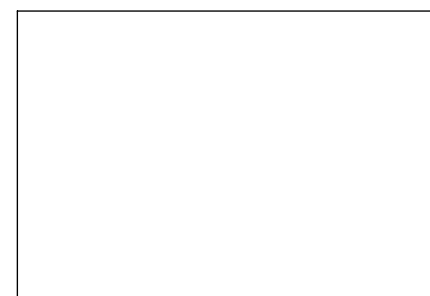
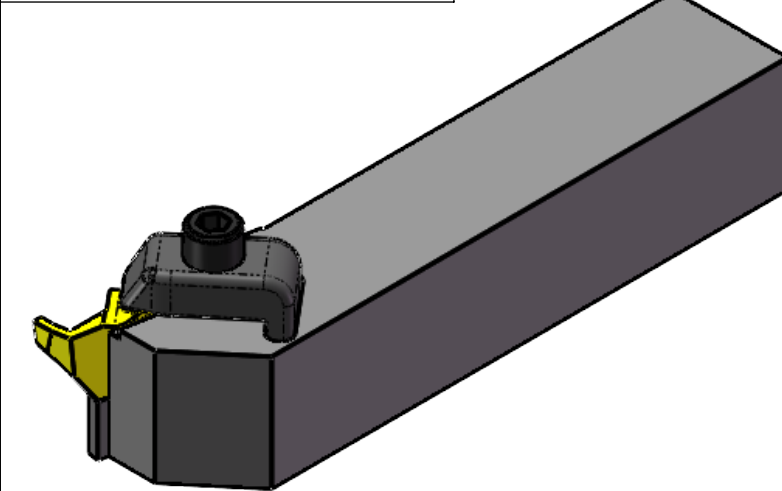
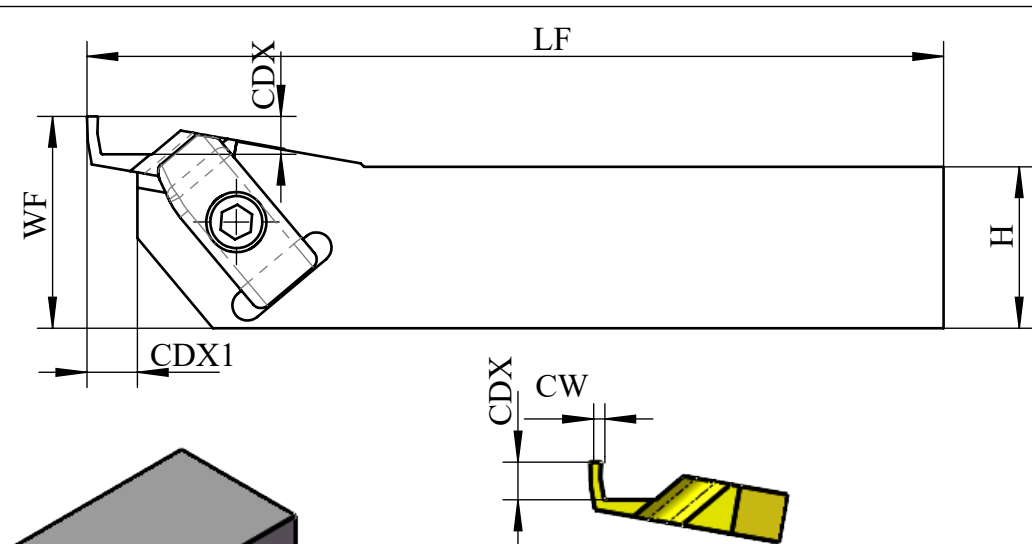
Радиальная канавка 7	Технологический переход	Инструмент №1
	Технологический переход	Инструмент №2



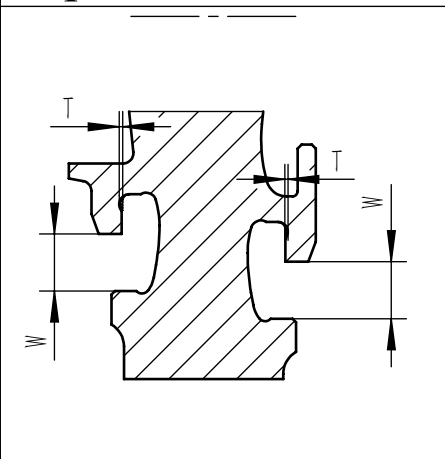
Технологический переход



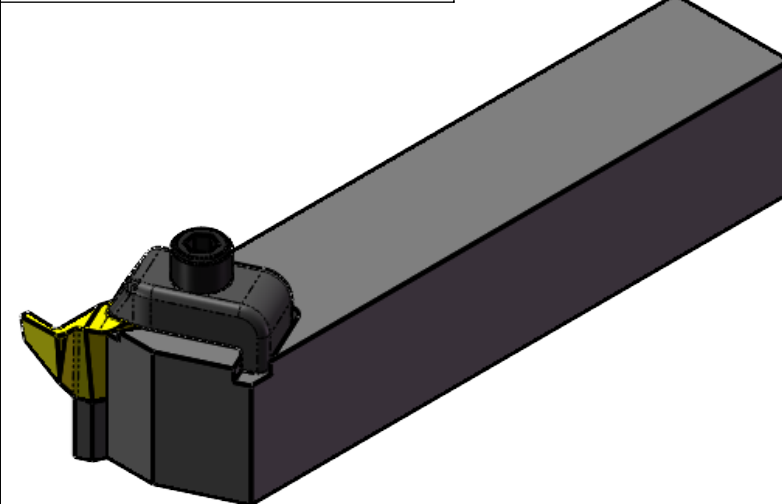
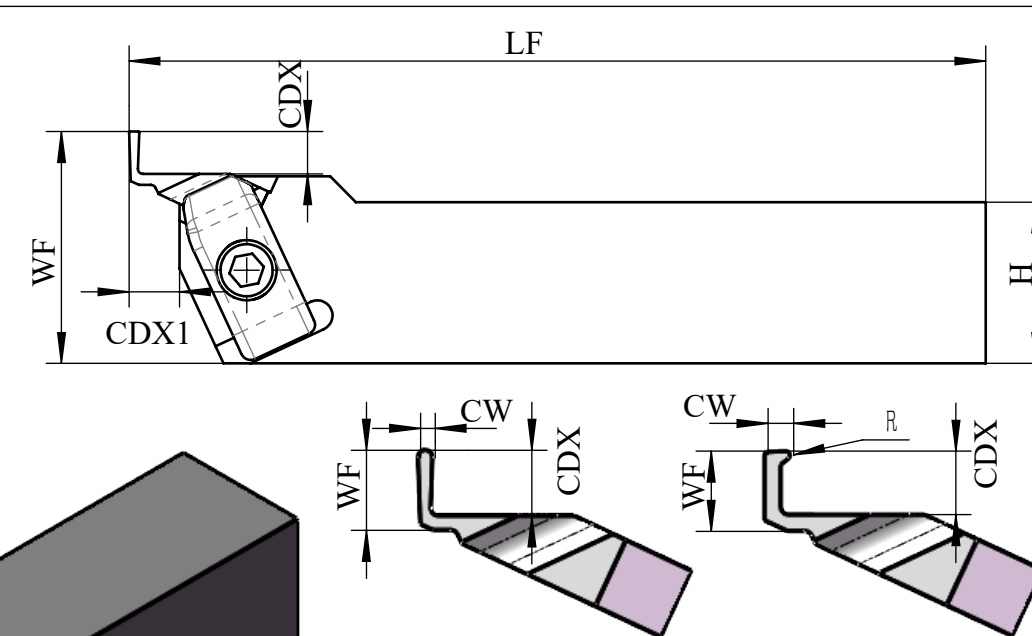
Инструмент №1



Технологический переход

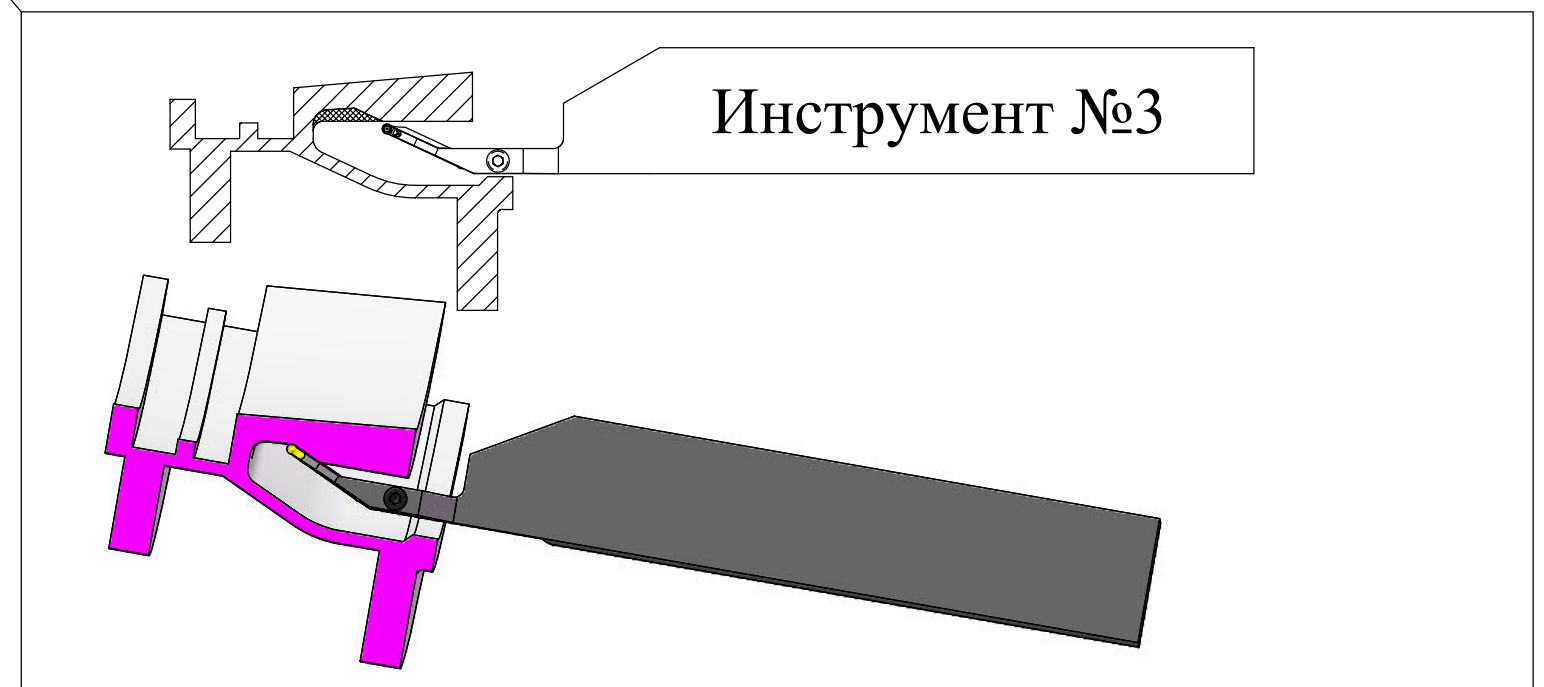
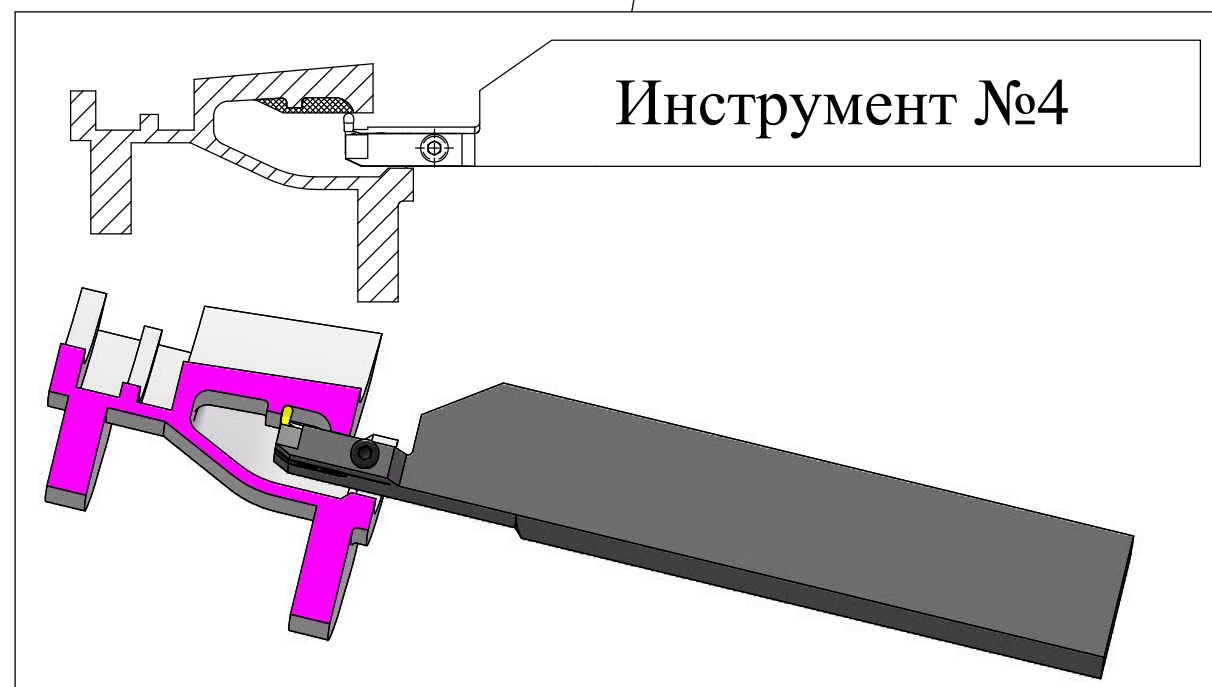
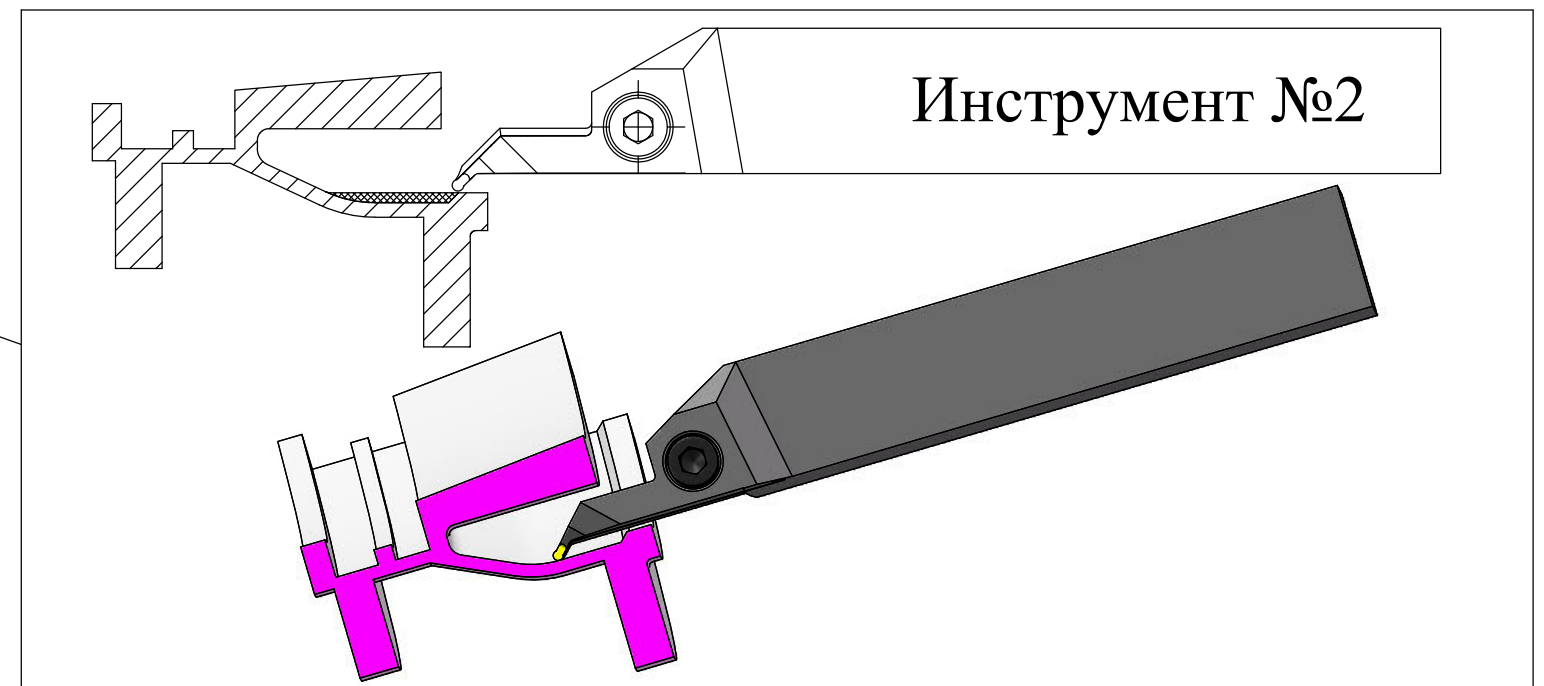
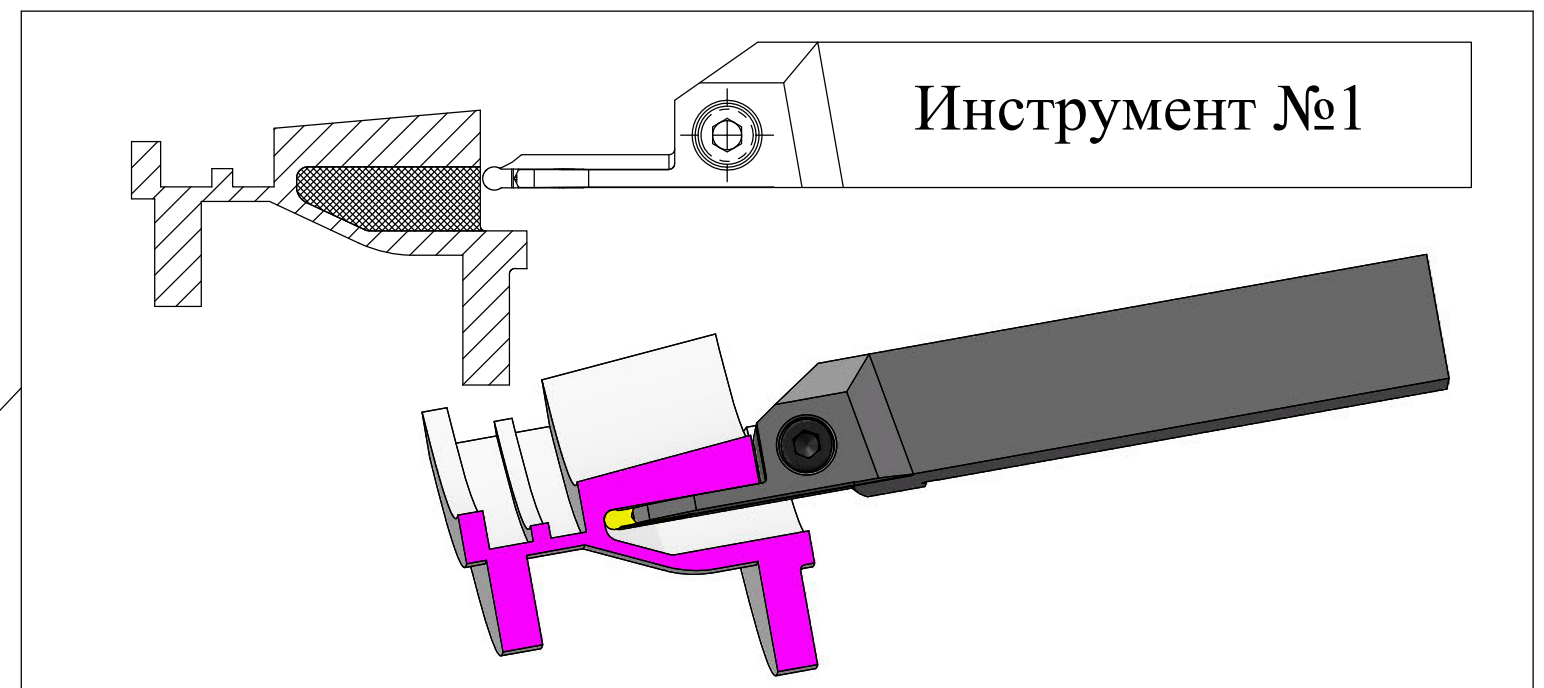
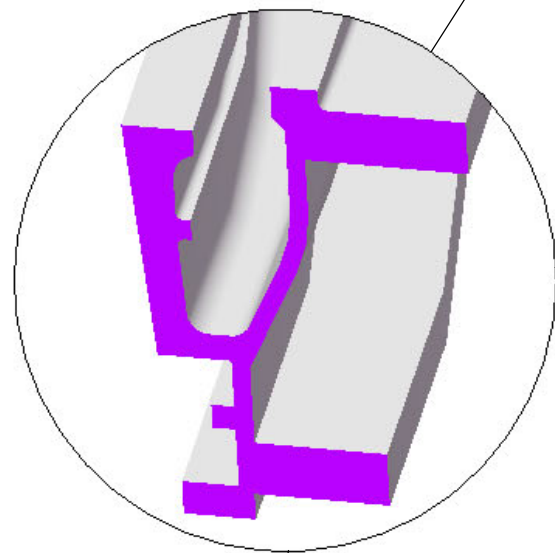
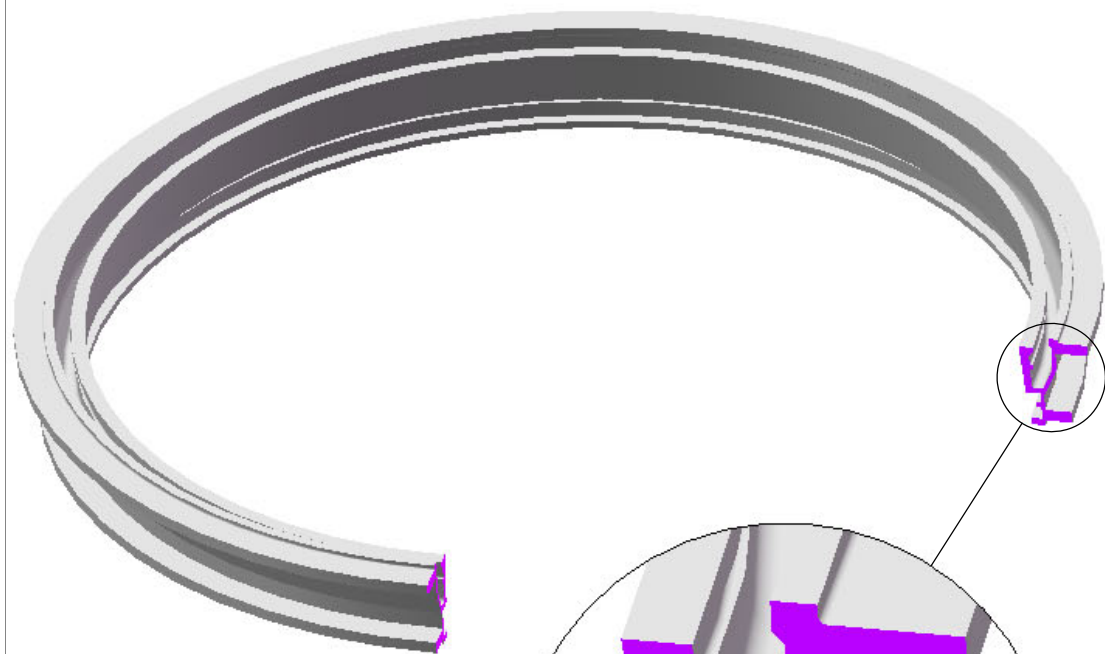


Инструмент №2



Радиальная канавка 1	Технологический переход	Инструмент №1
	Технологический переход	Инструмент №2

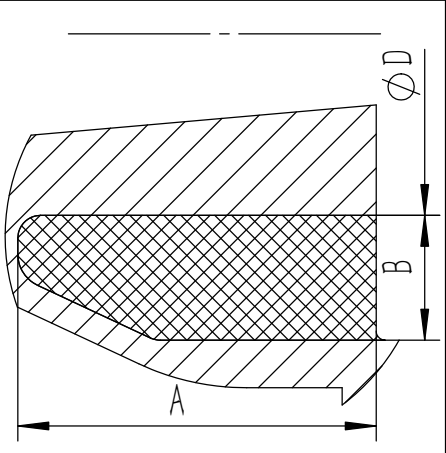
Кольцо



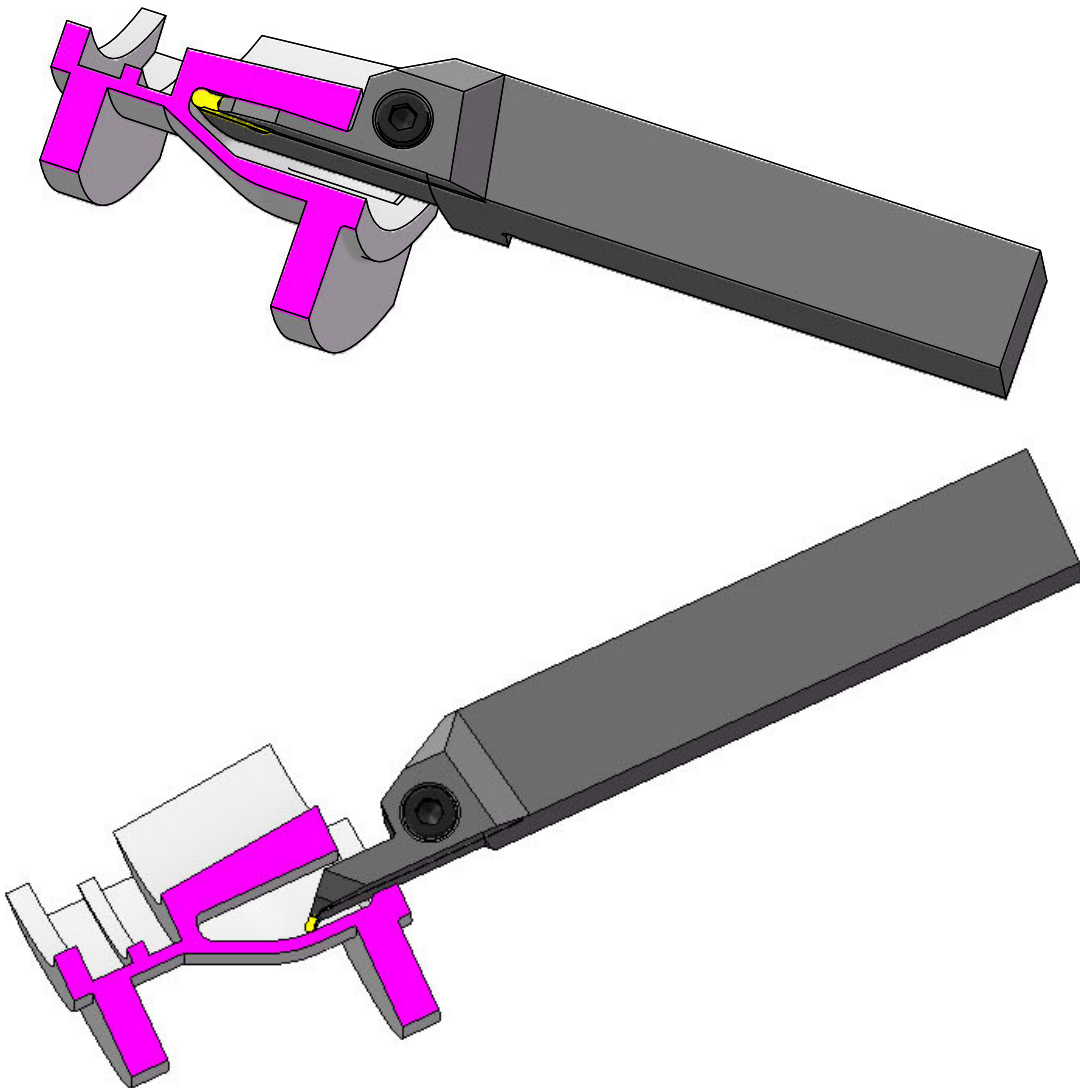
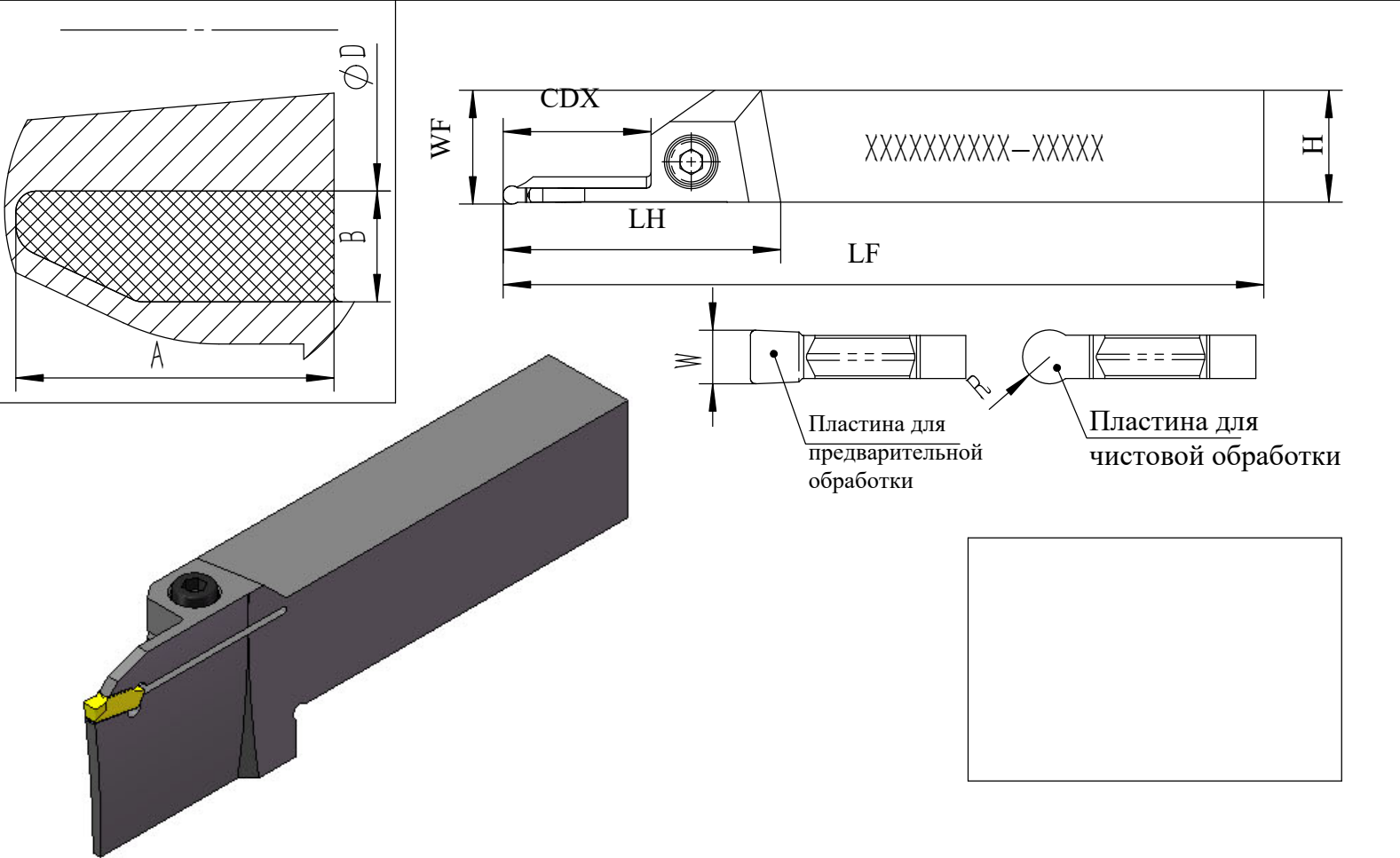
Торцевая канавка 1



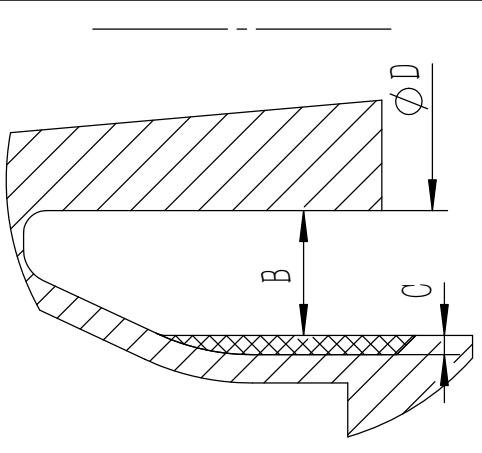
Технологический переход



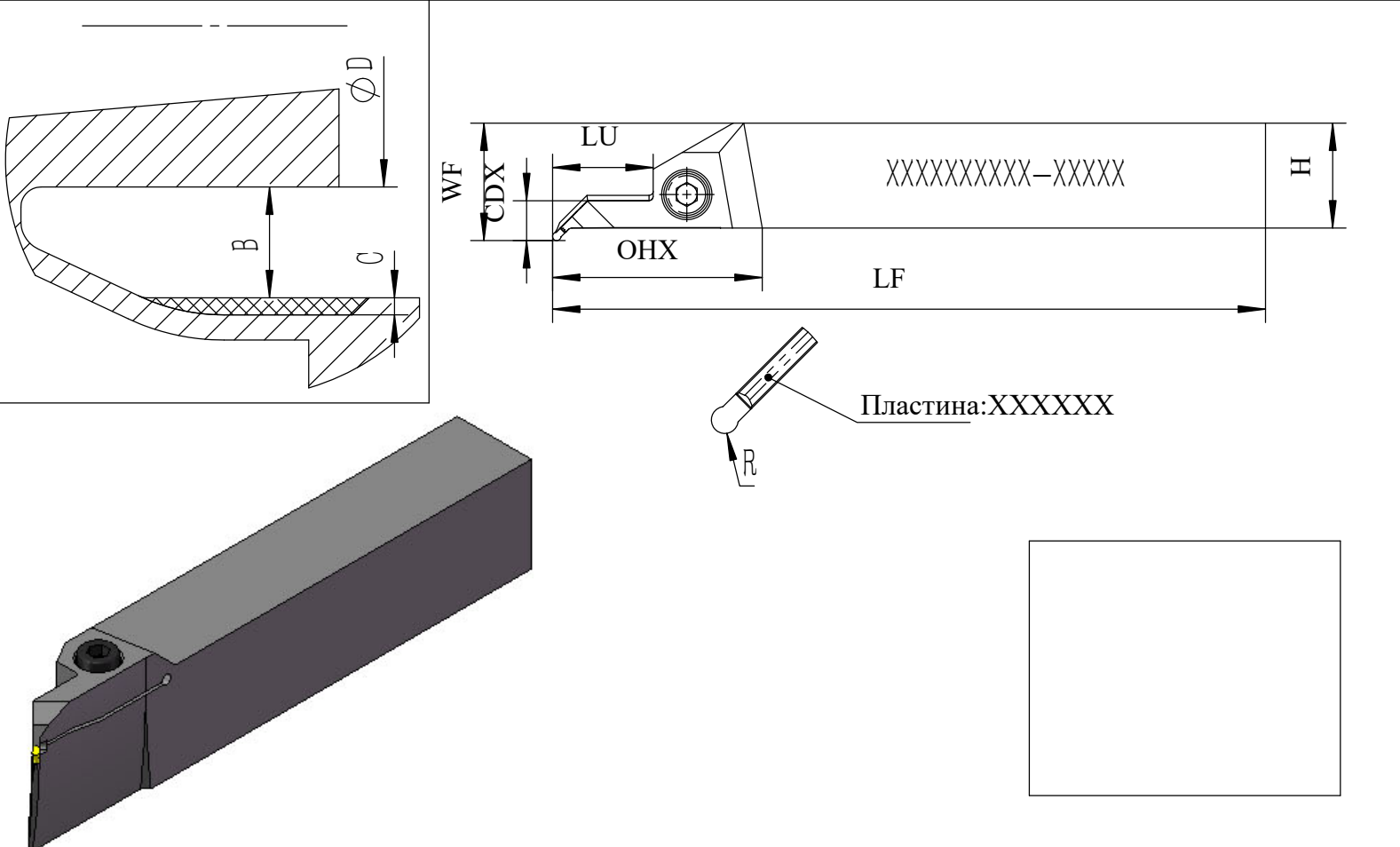
Инструмент №1

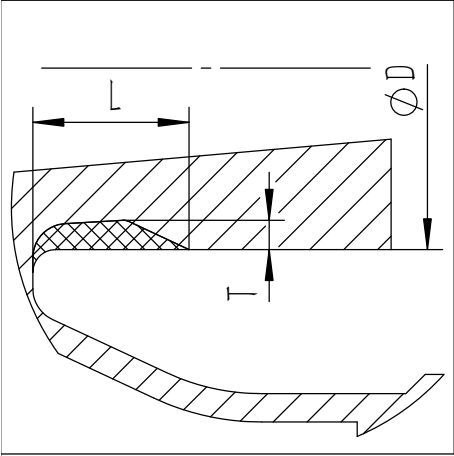
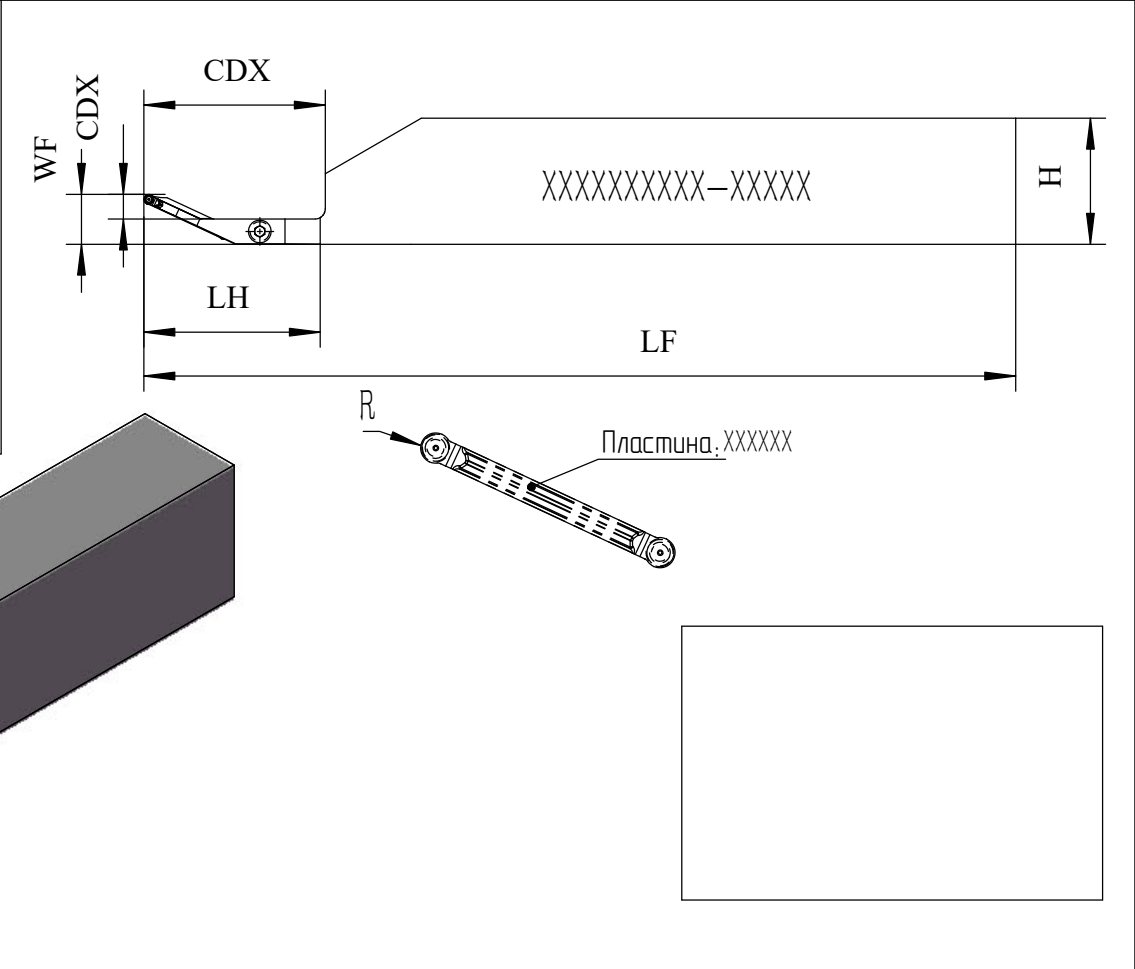
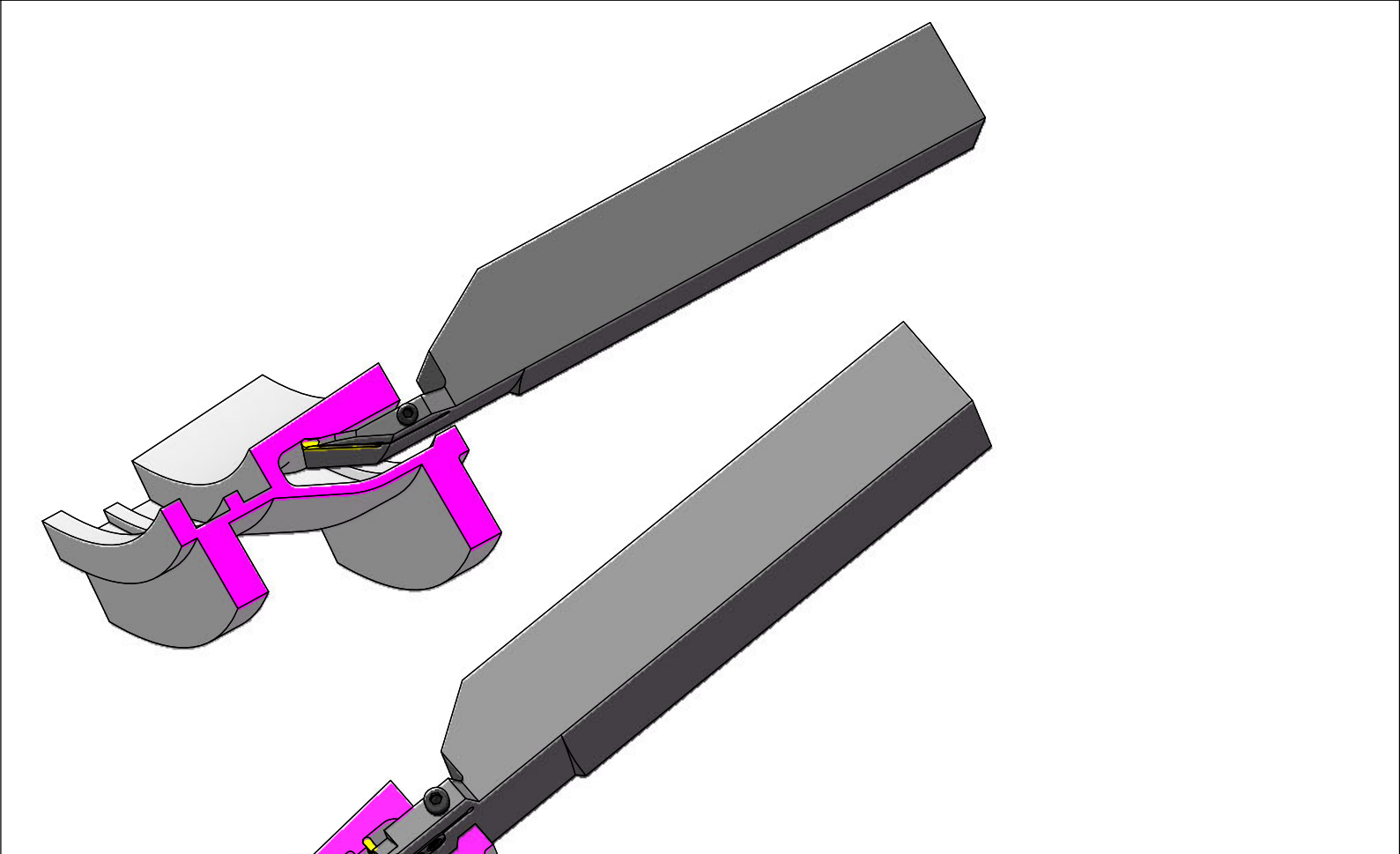
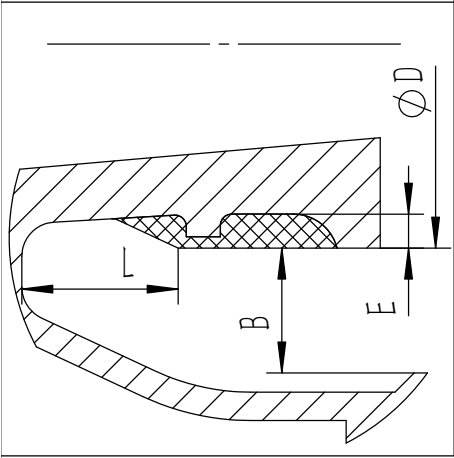
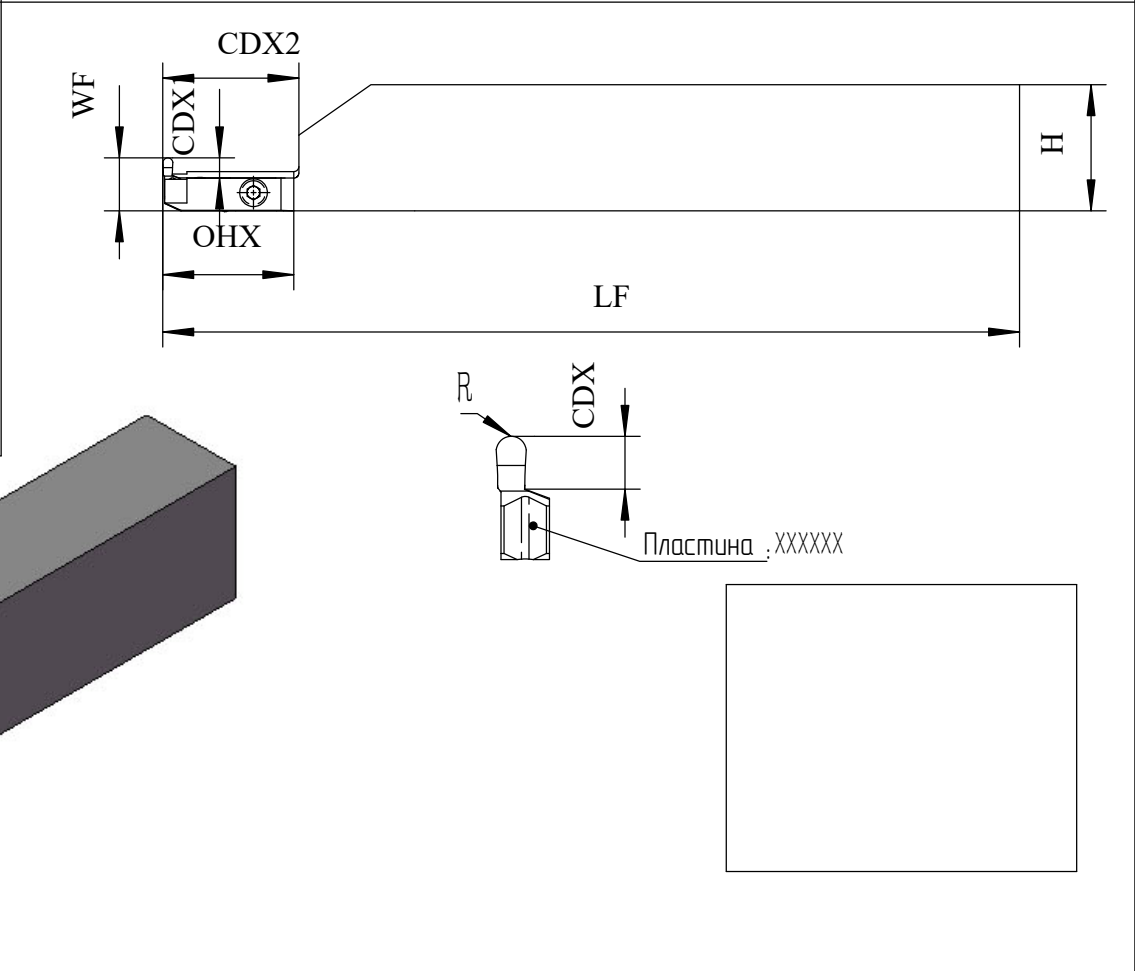
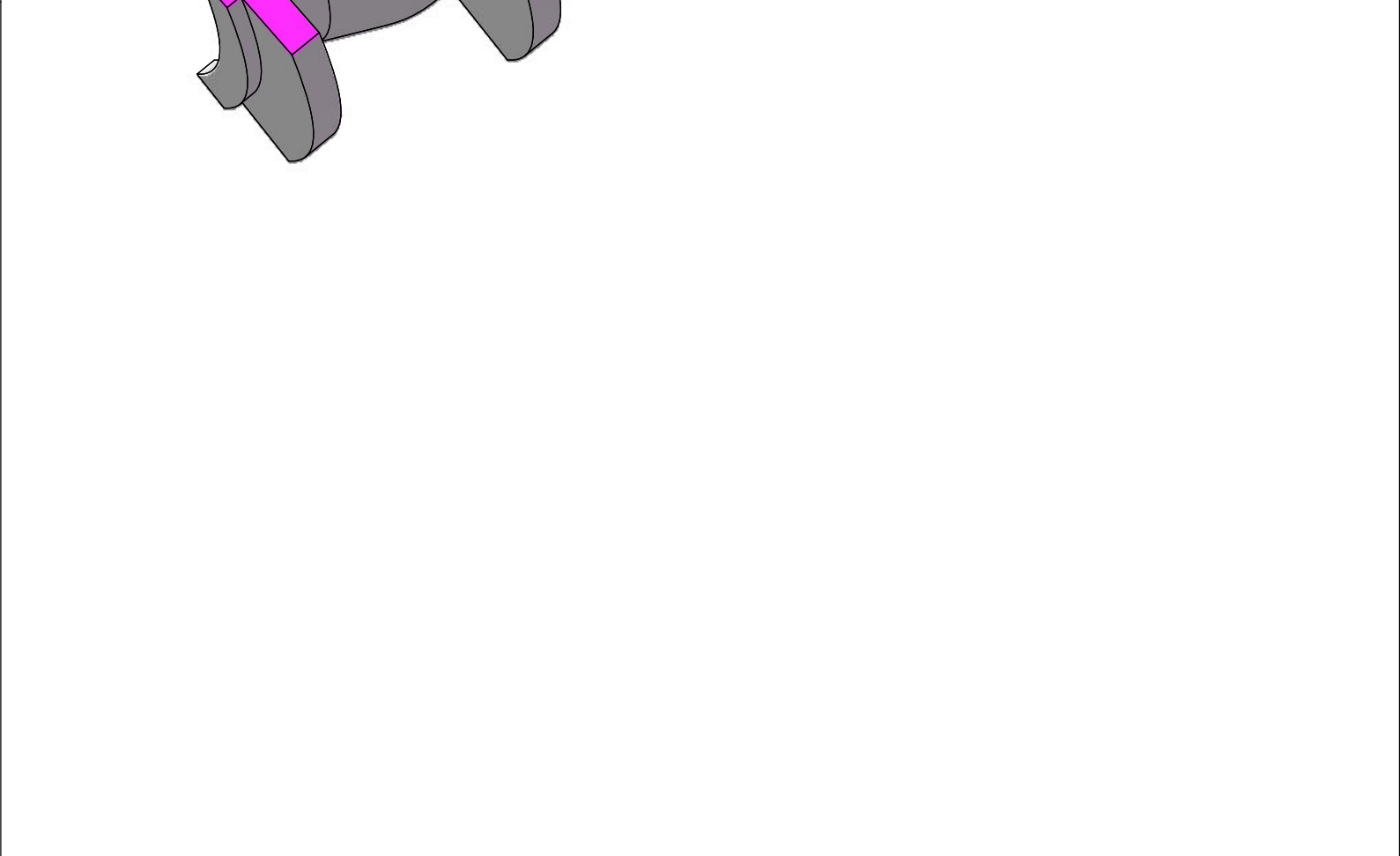


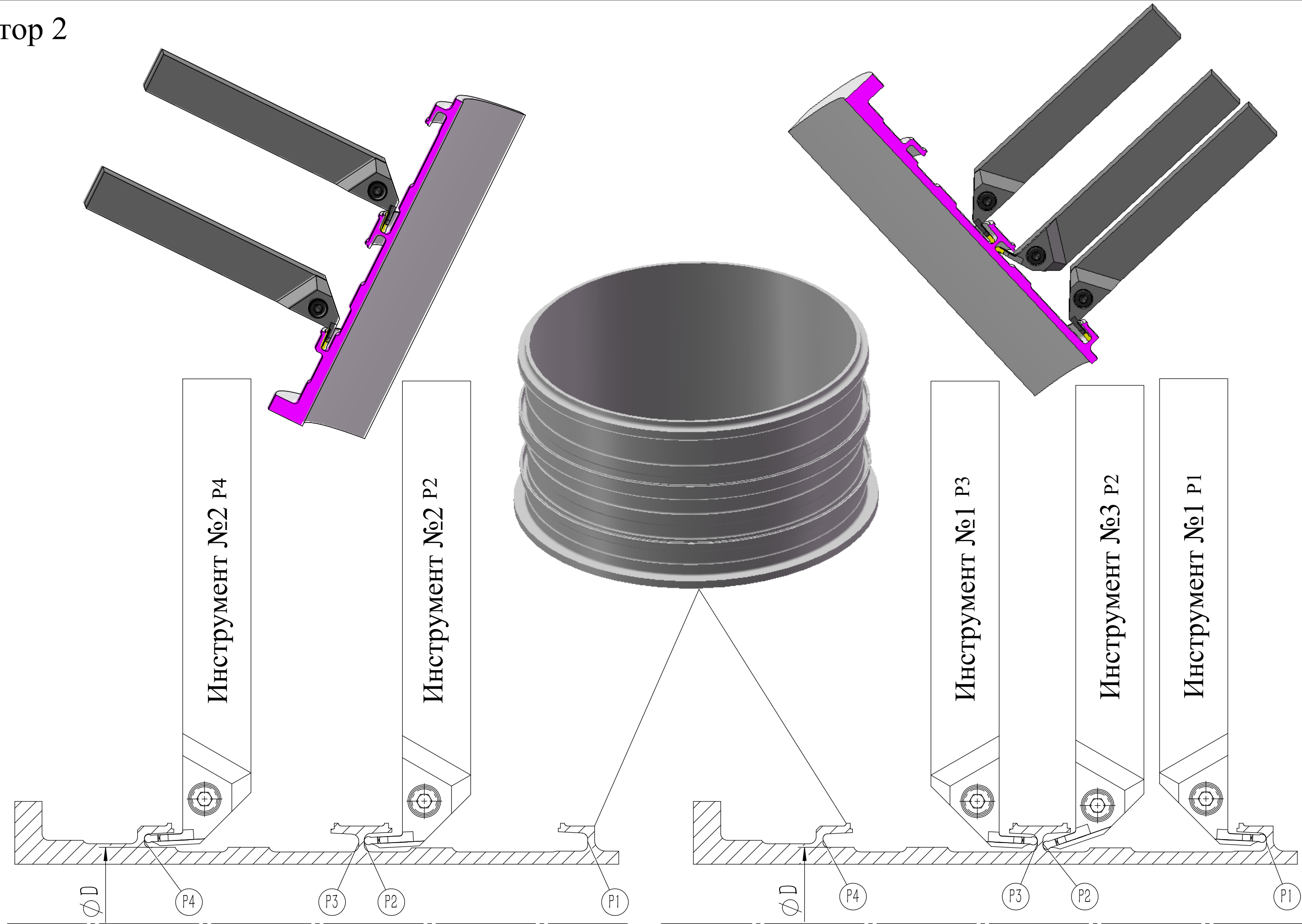
Технологический переход



Инструмент №2



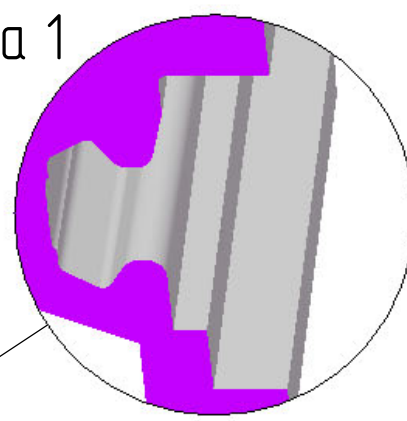
Технологический переход	Инструмент №3	
		
Технологический переход	Инструмент №4	
		



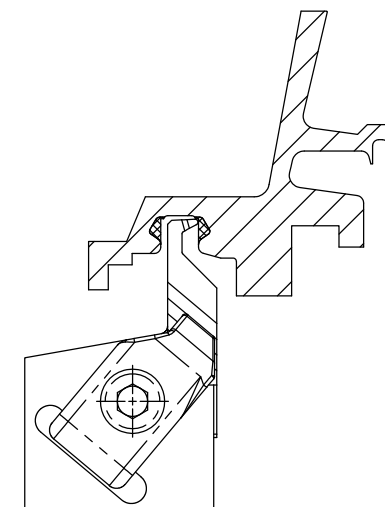
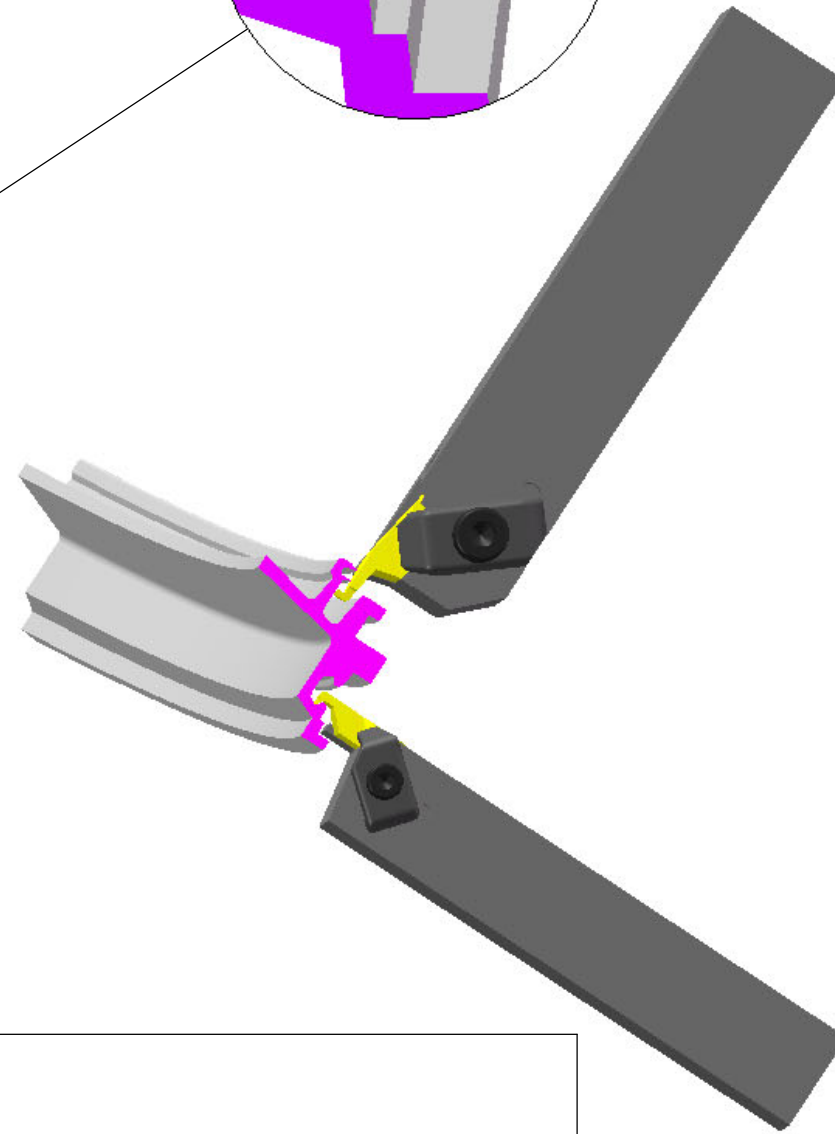
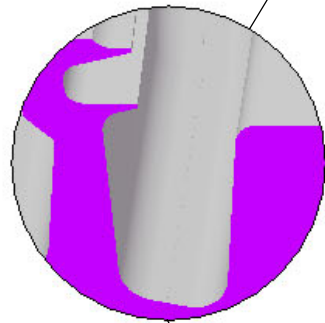
Ротор канавки 2 P1 Паз P2 Паз P3 Паз P4 Паз	Технологический переход P2/P4 P2 P4	Инструмент №2
Технологический переход P1/P3 $\phi D1$ $\phi D3$	Инструмент №1	Технологический переход P4 $\phi D4$ Пластина для предварительной обработки CW Пластина для чистовой обработки R Инструмент №3

Кольцо Канавки 3

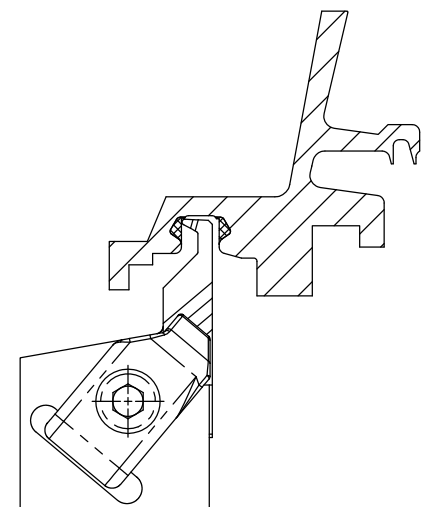
Канавка 1



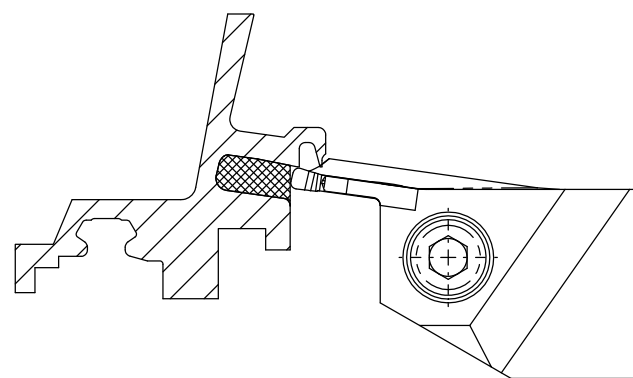
Канавка 2



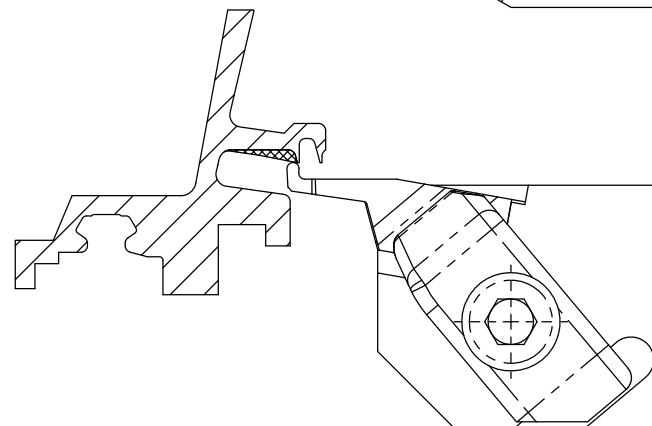
Инструмент №1



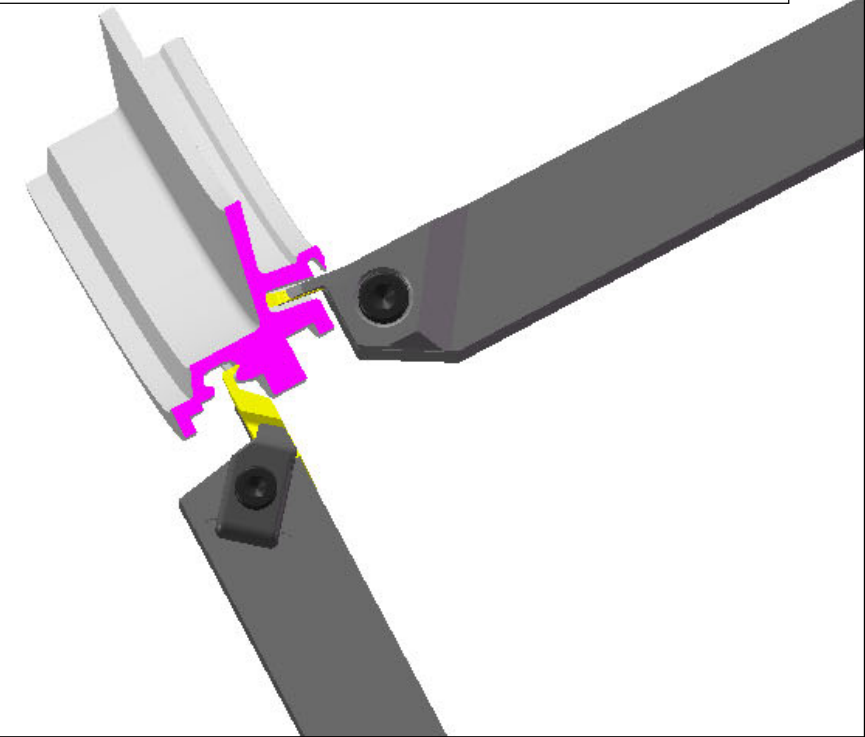
Инструмент №1



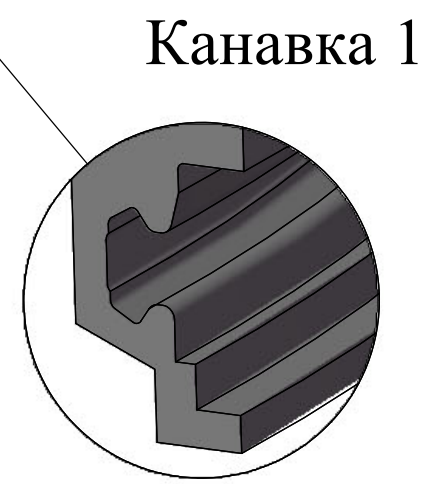
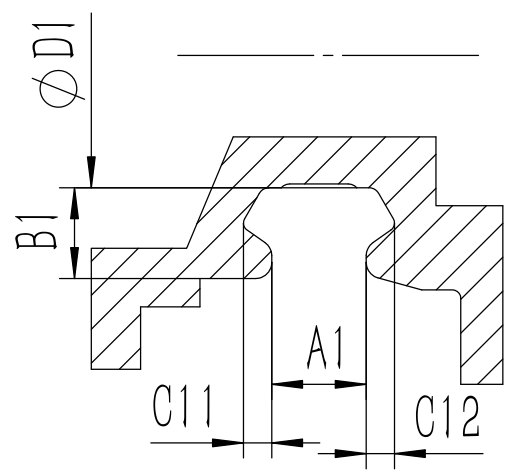
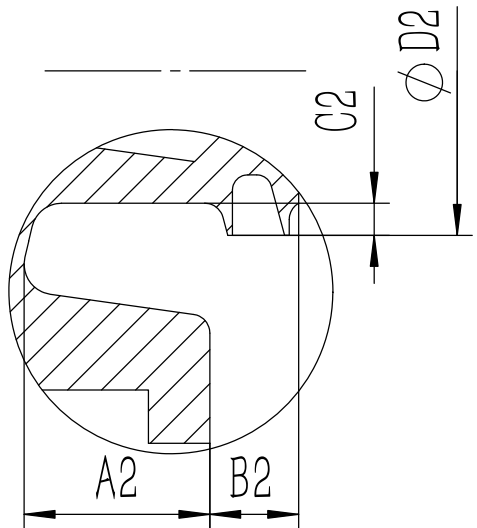
Инструмент №2



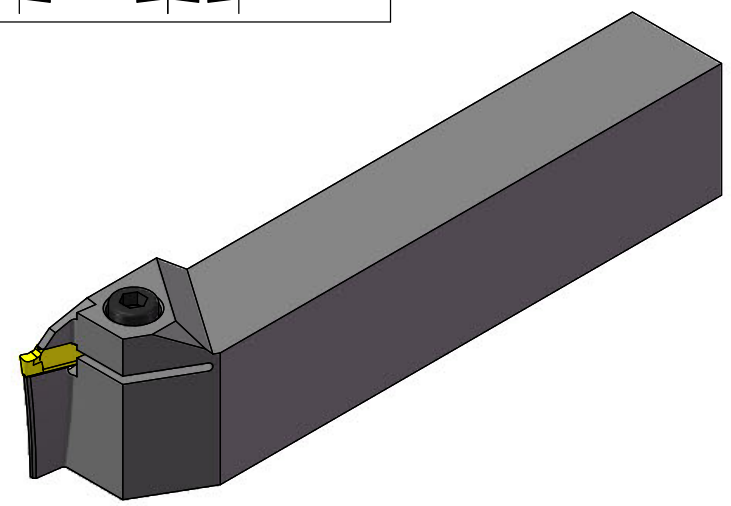
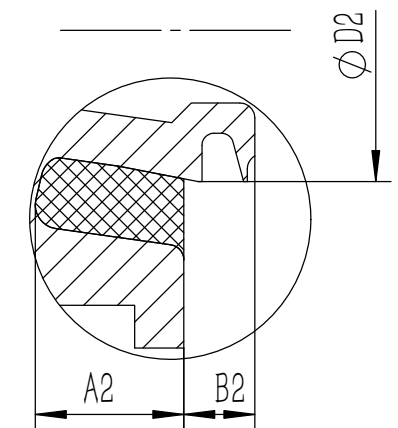
Инструмент №3



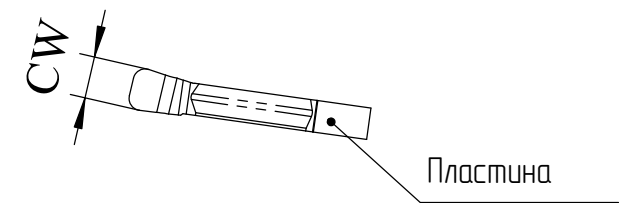
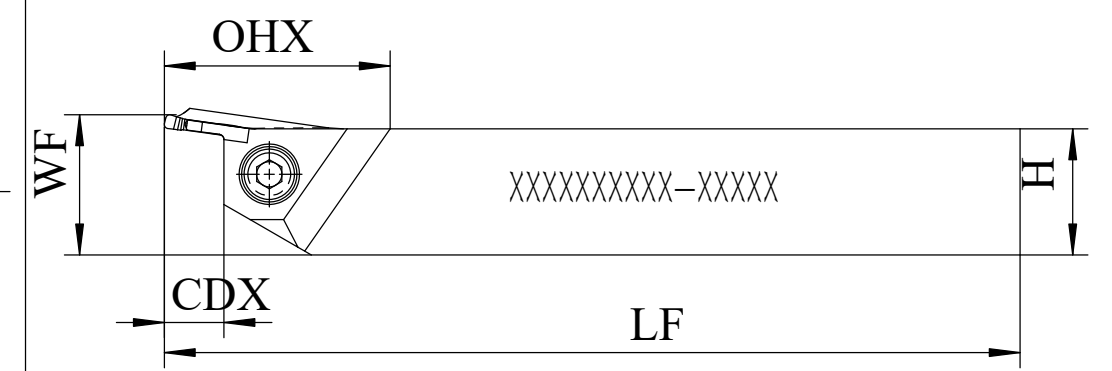
Кольцо Канавки 4



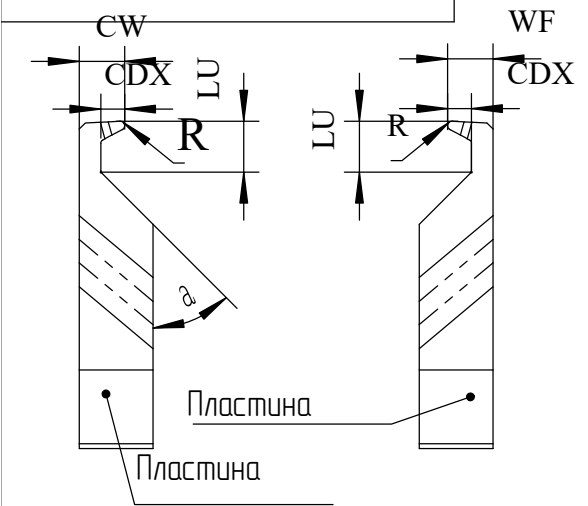
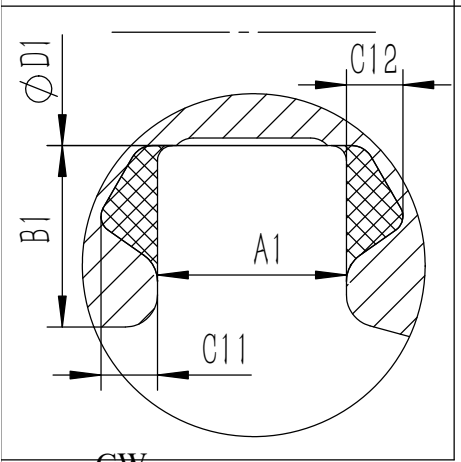
Технологический переход № 2 паз



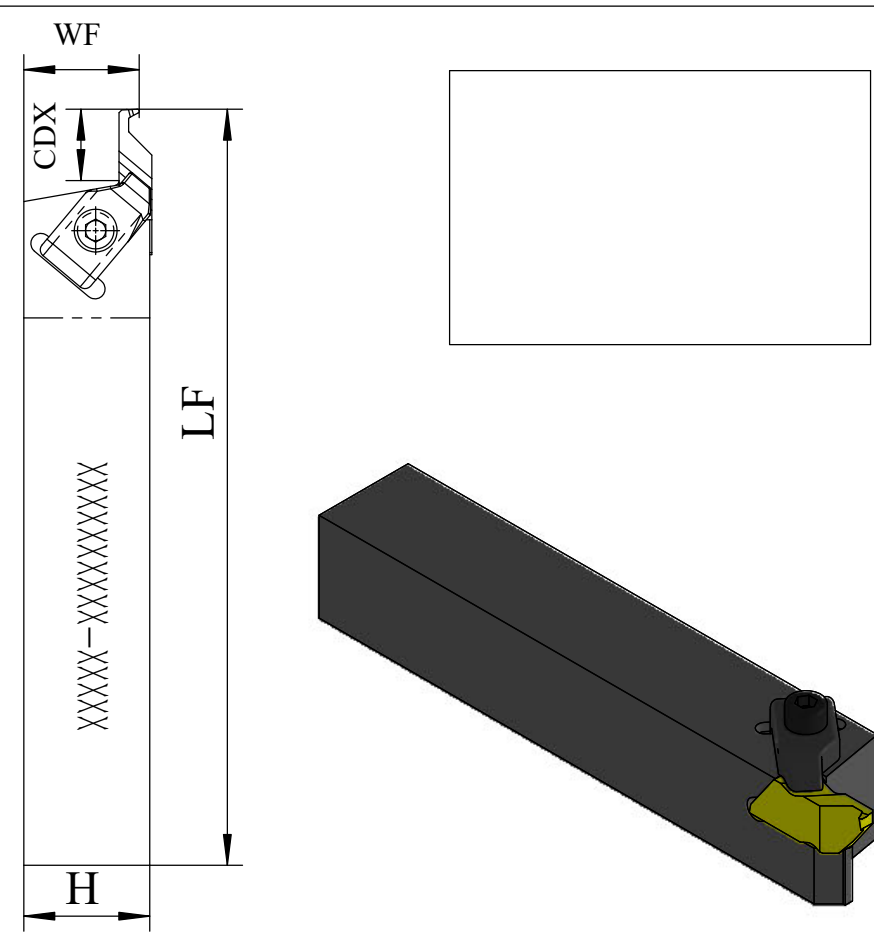
Инструмент №2



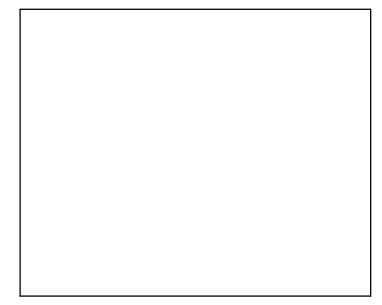
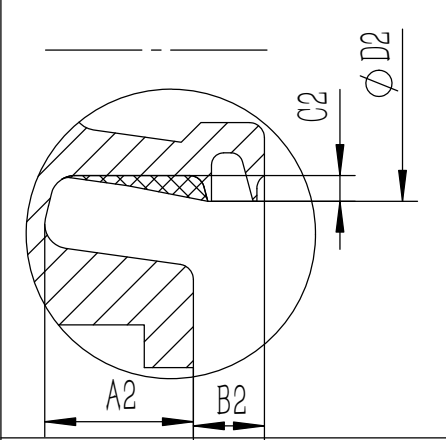
Технологический переход № 2 паз



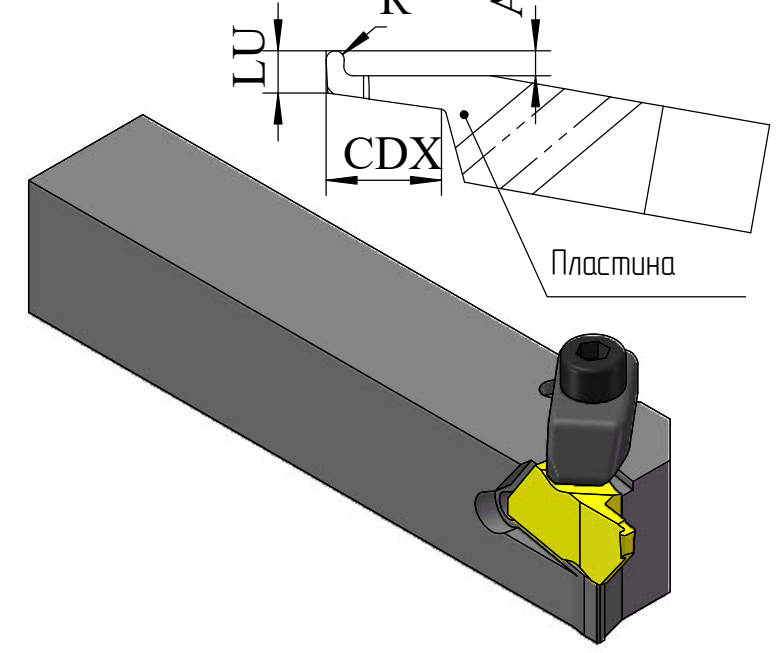
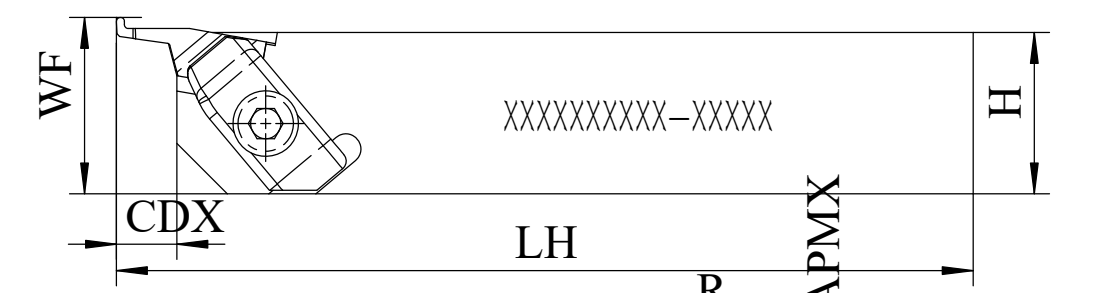
Инструмент №1



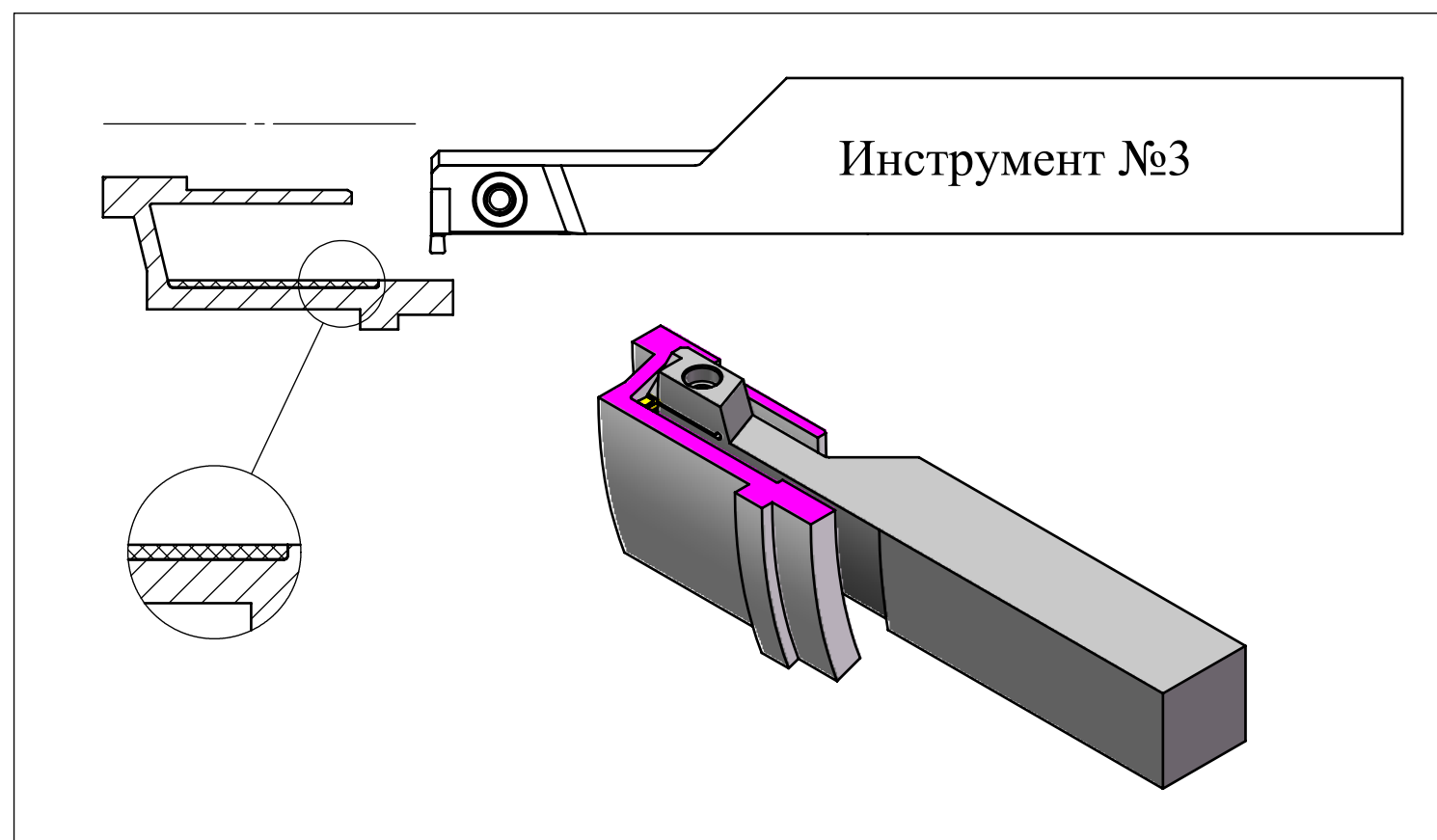
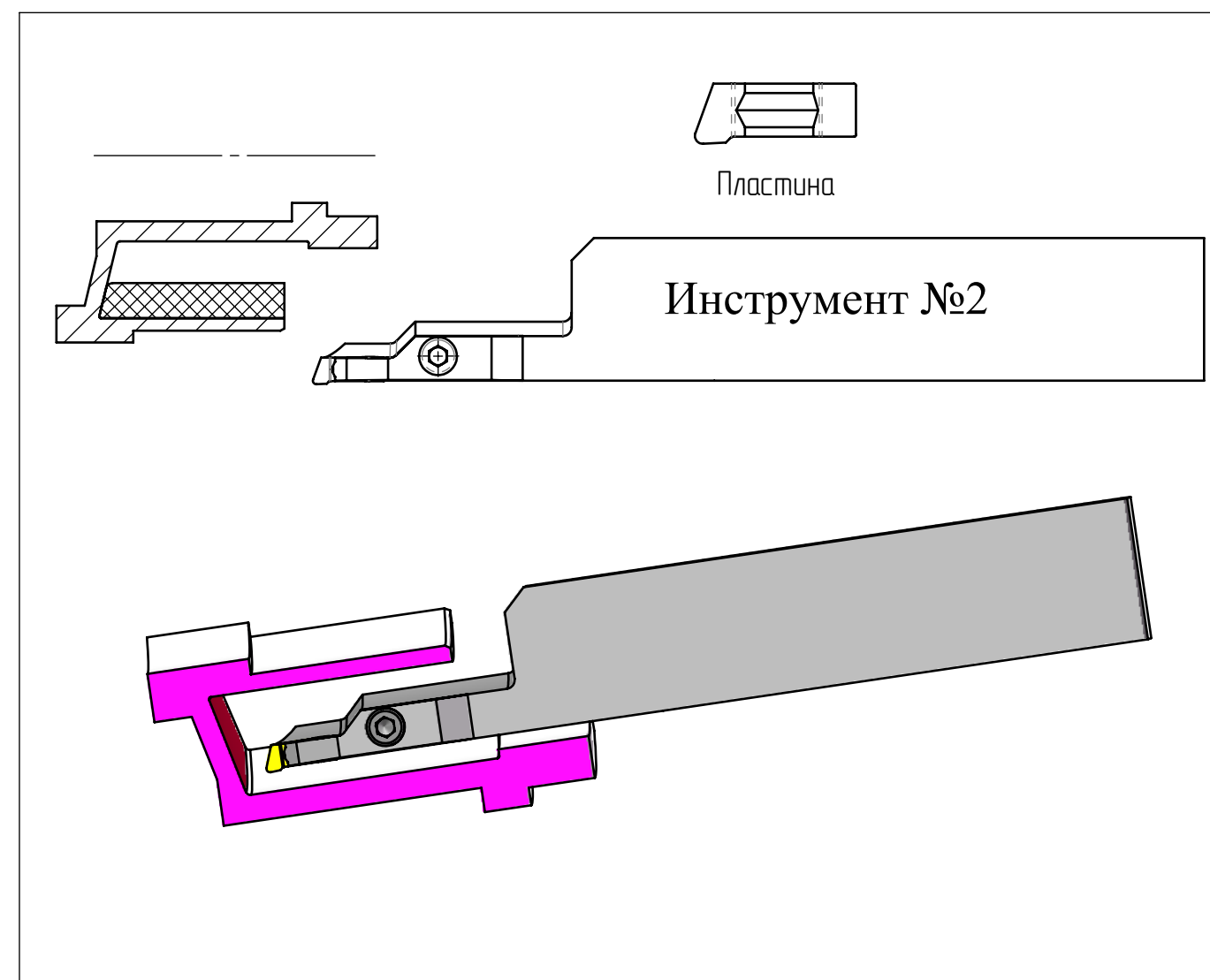
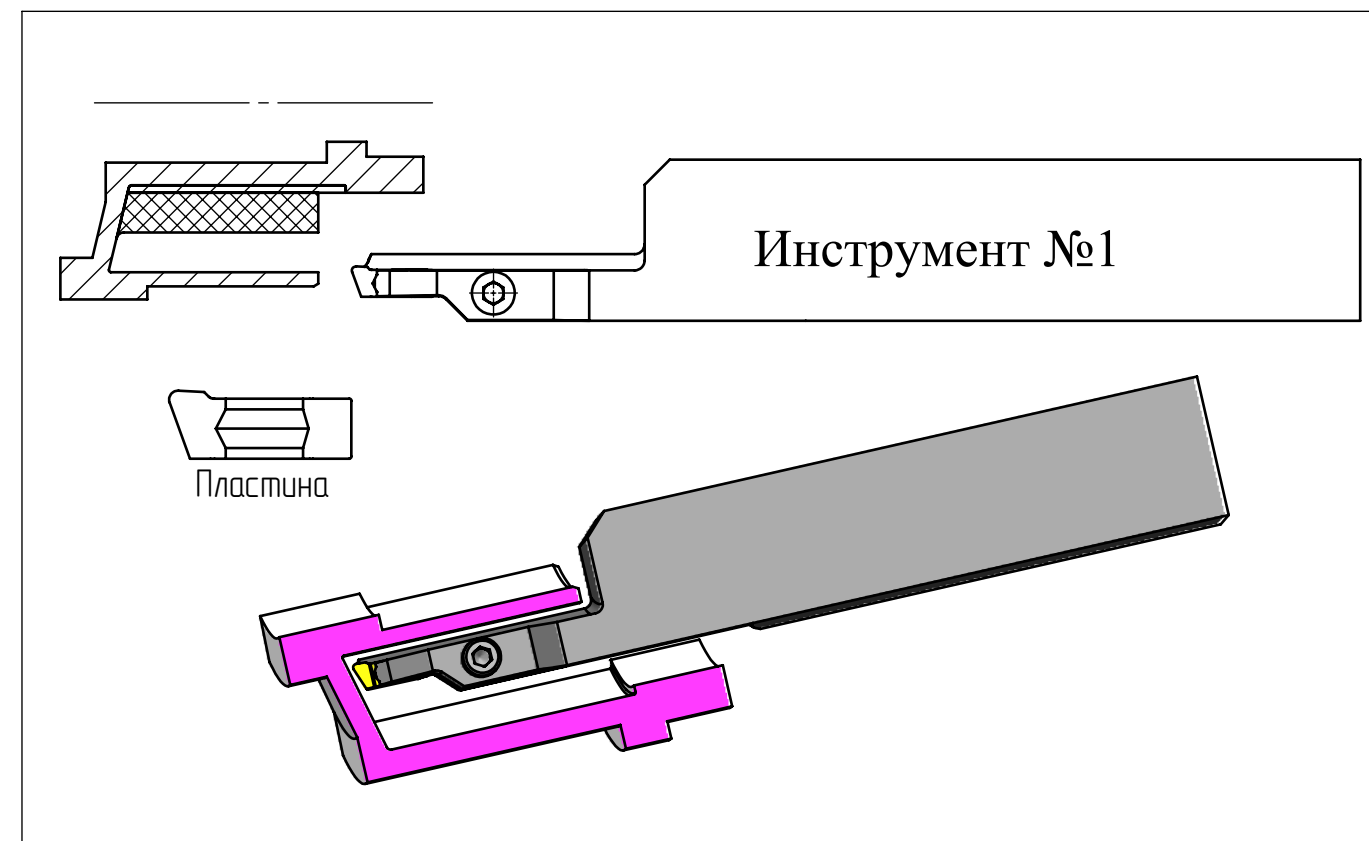
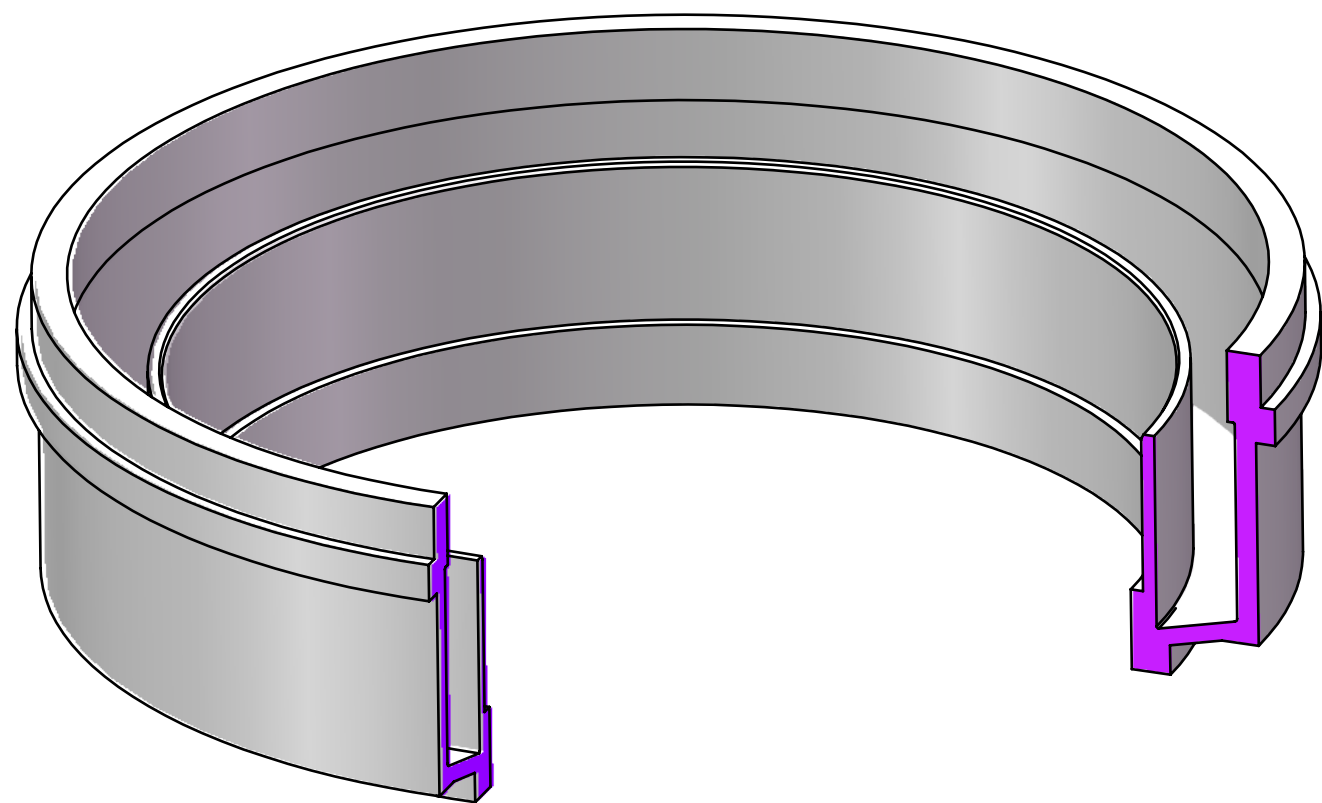
Технологический переход № 2 паз



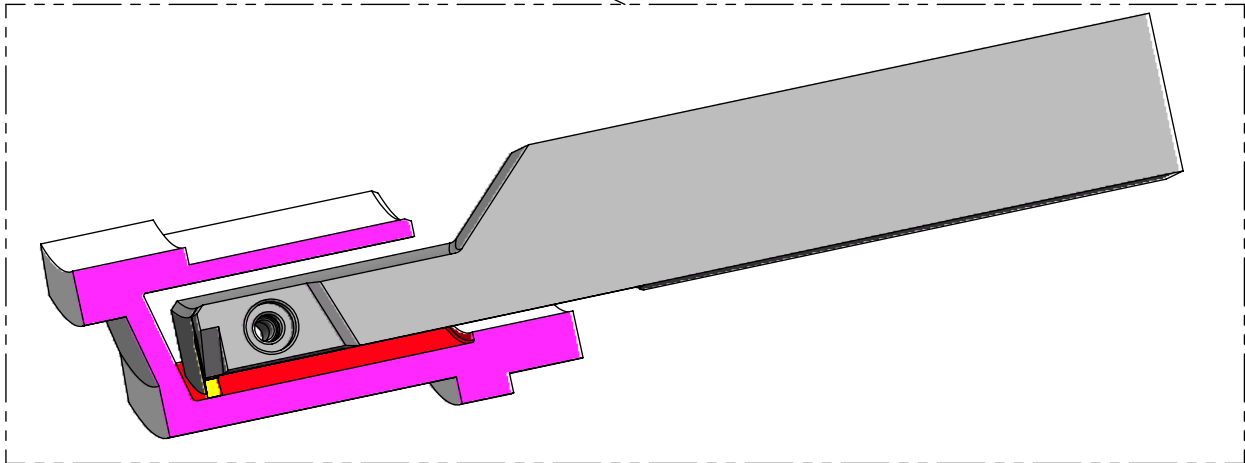
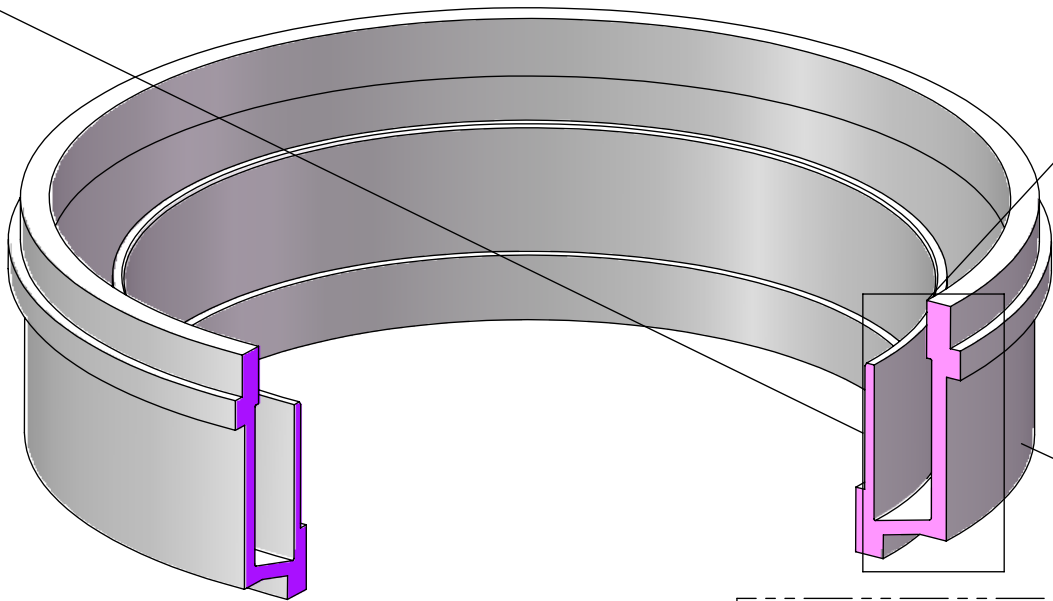
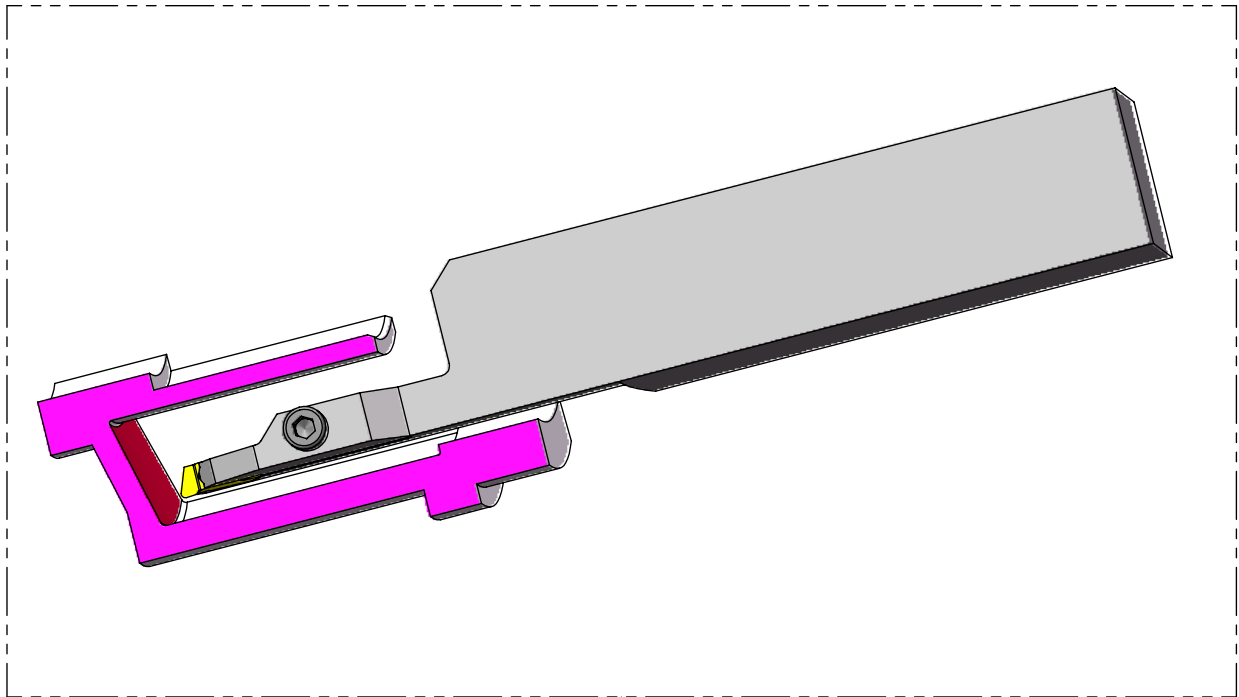
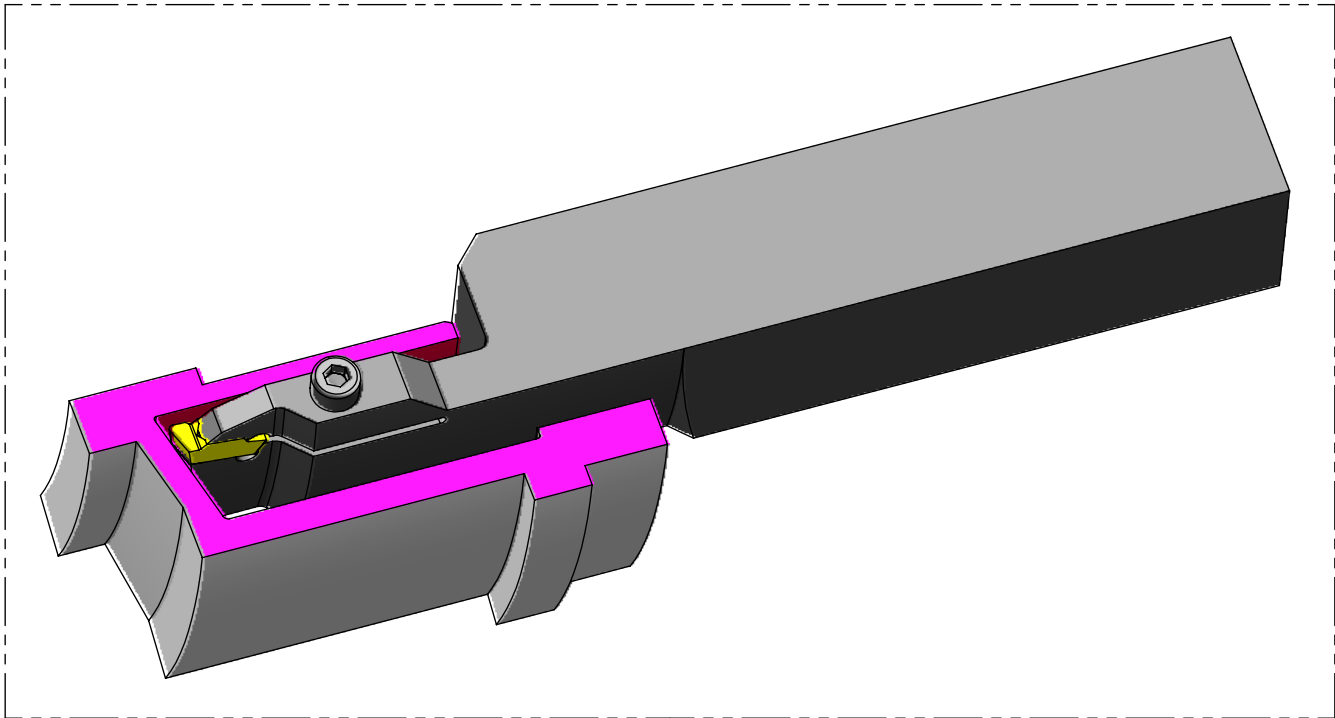
Инструмент №3



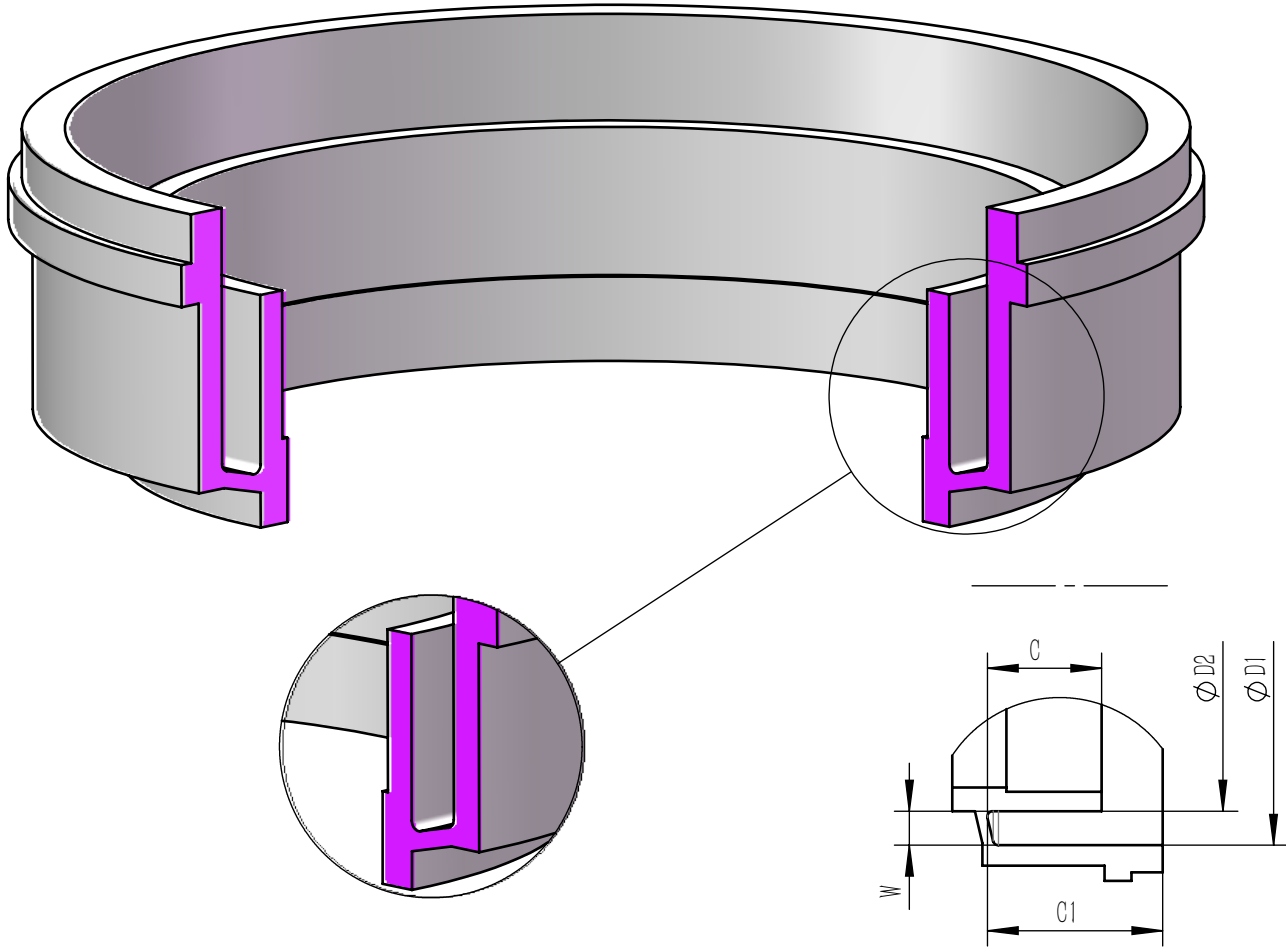
Торцевая канавка 2



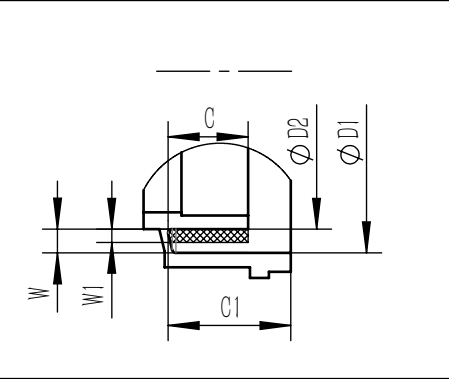
Торцевая канавка 3



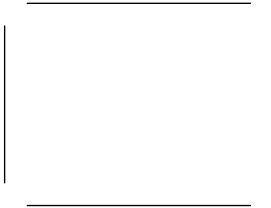
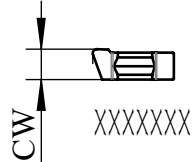
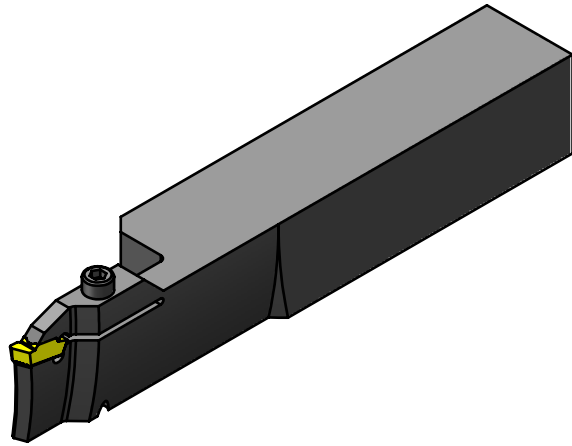
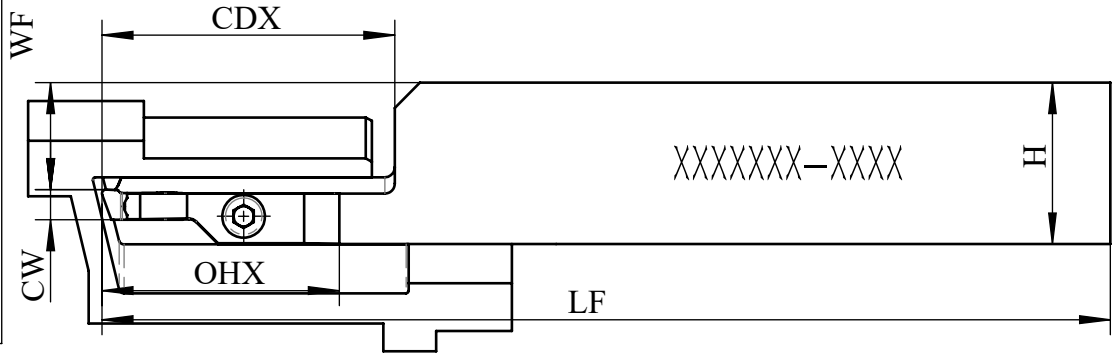
Торцевая канавка 2



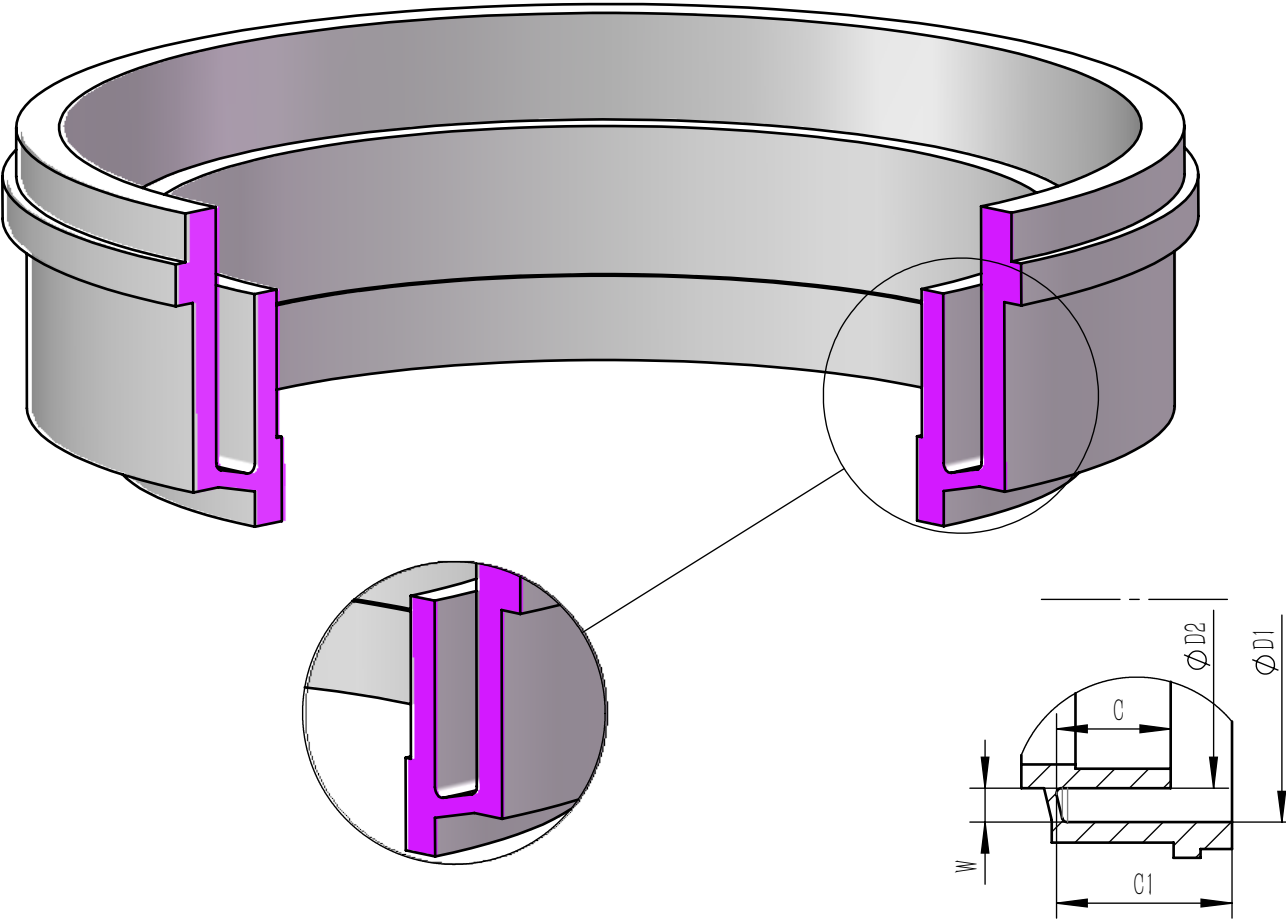
Технологический переход



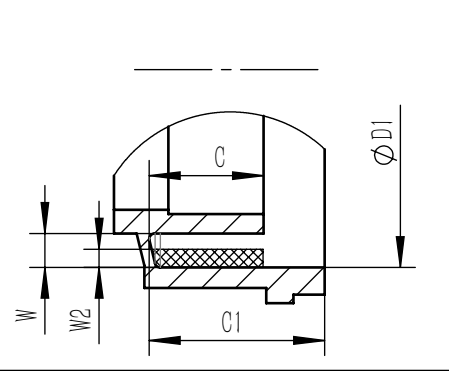
Инструмент №1



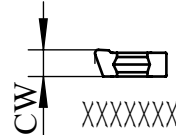
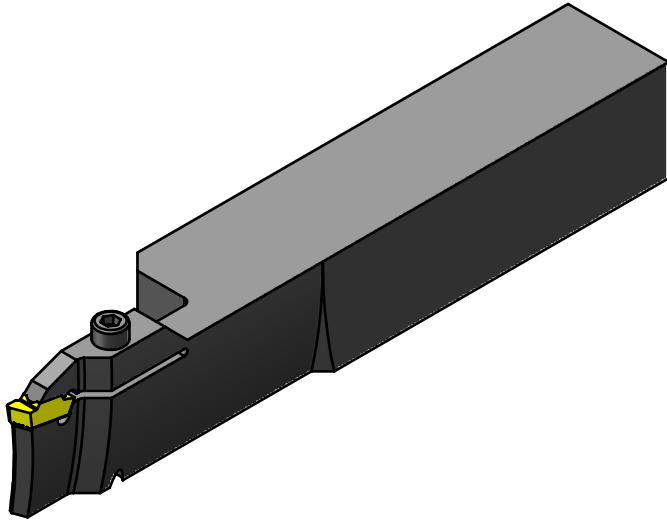
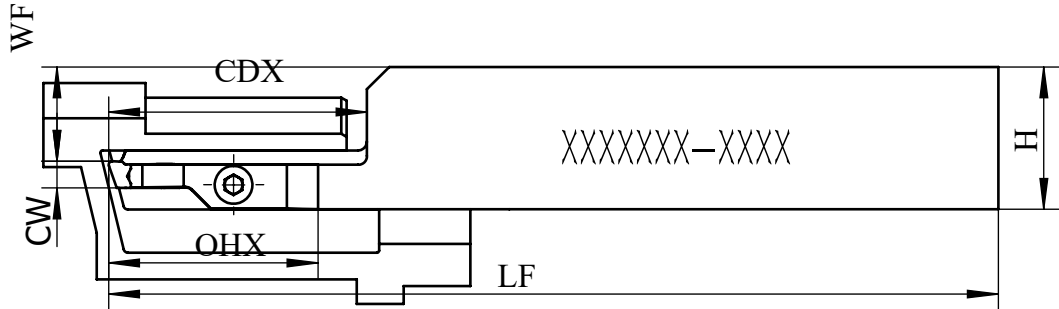
Торцевая канавка 2



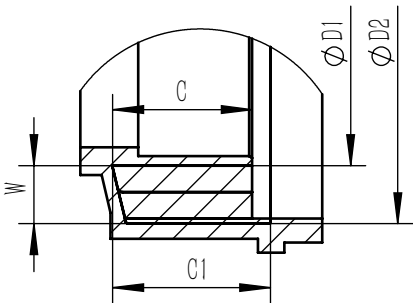
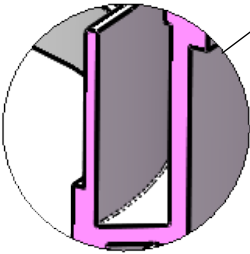
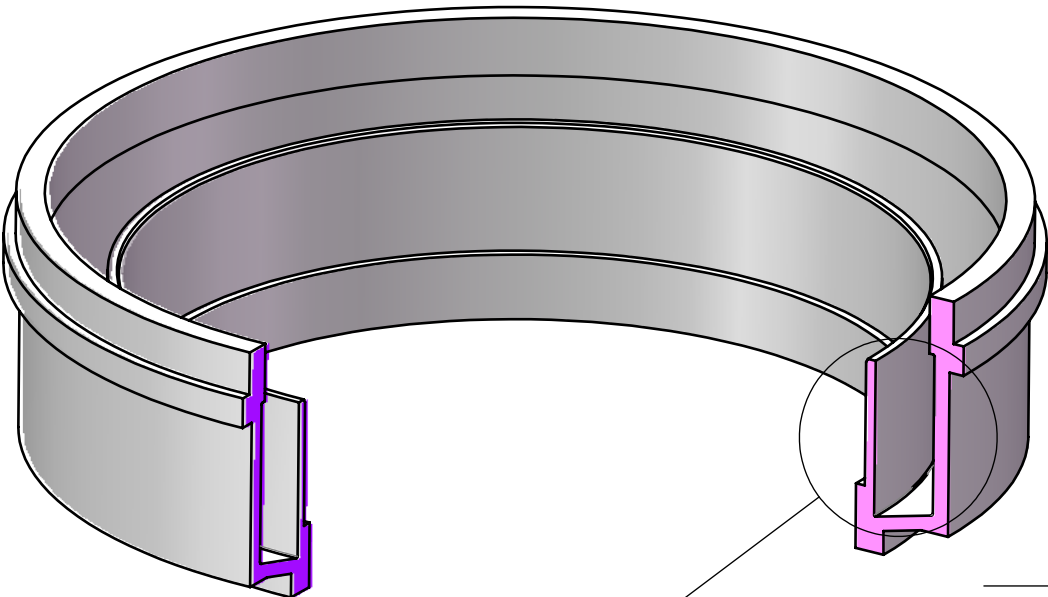
Технологический переход



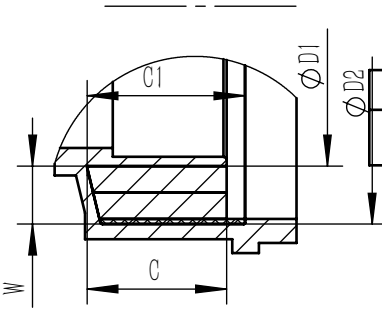
Инструмент №2



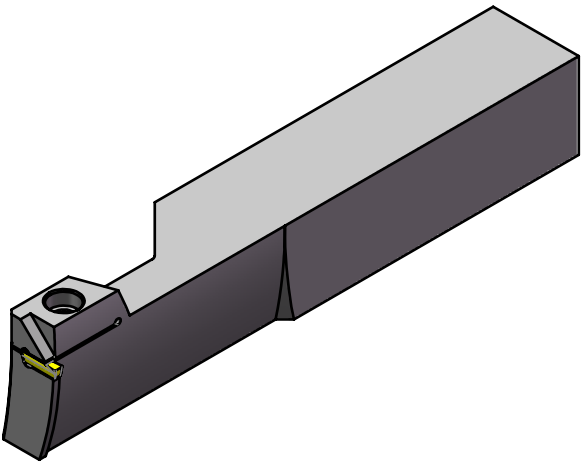
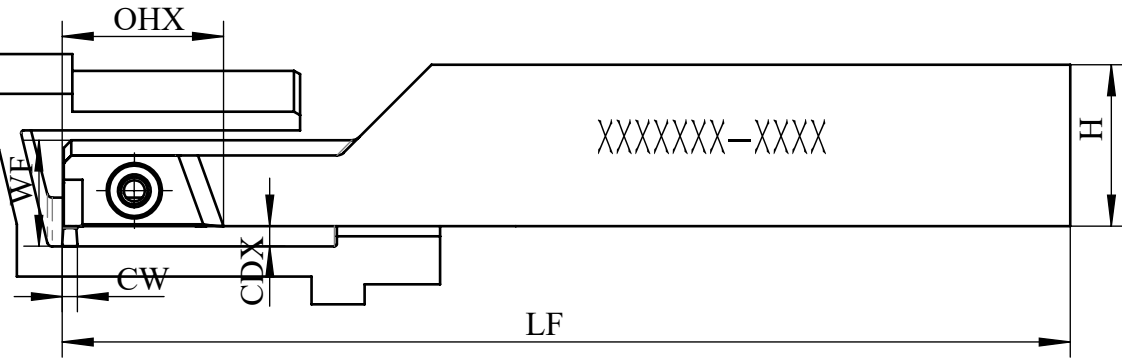
Торцевая канавка 3



Технологический переход



Инструмент №3

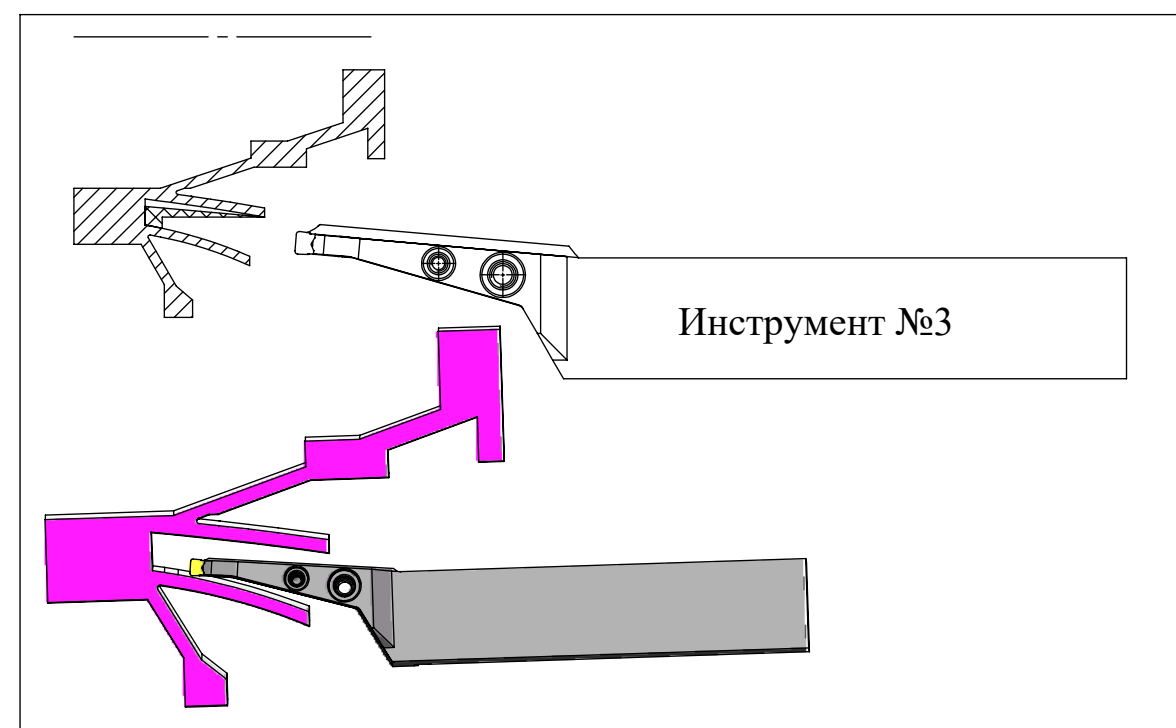
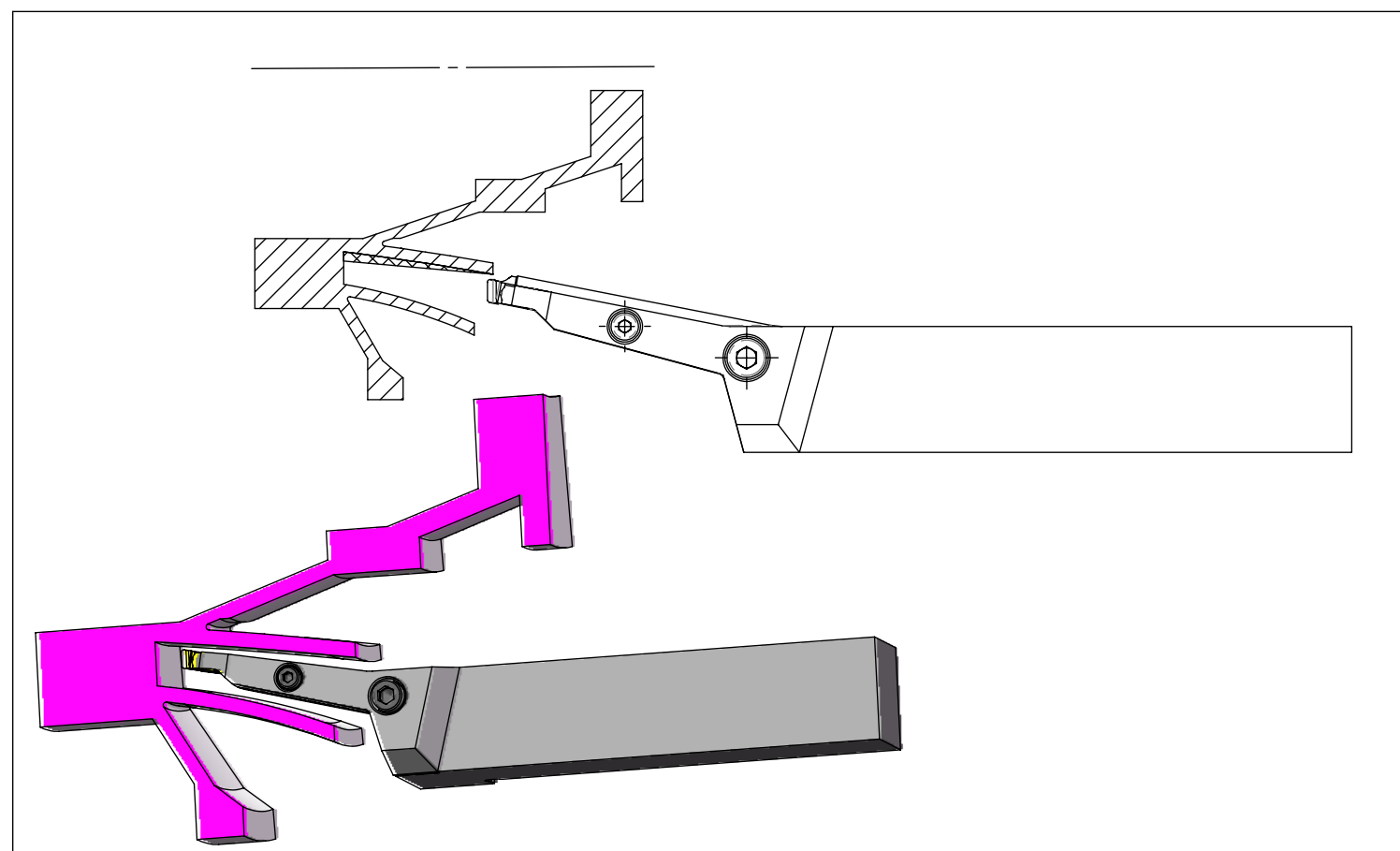
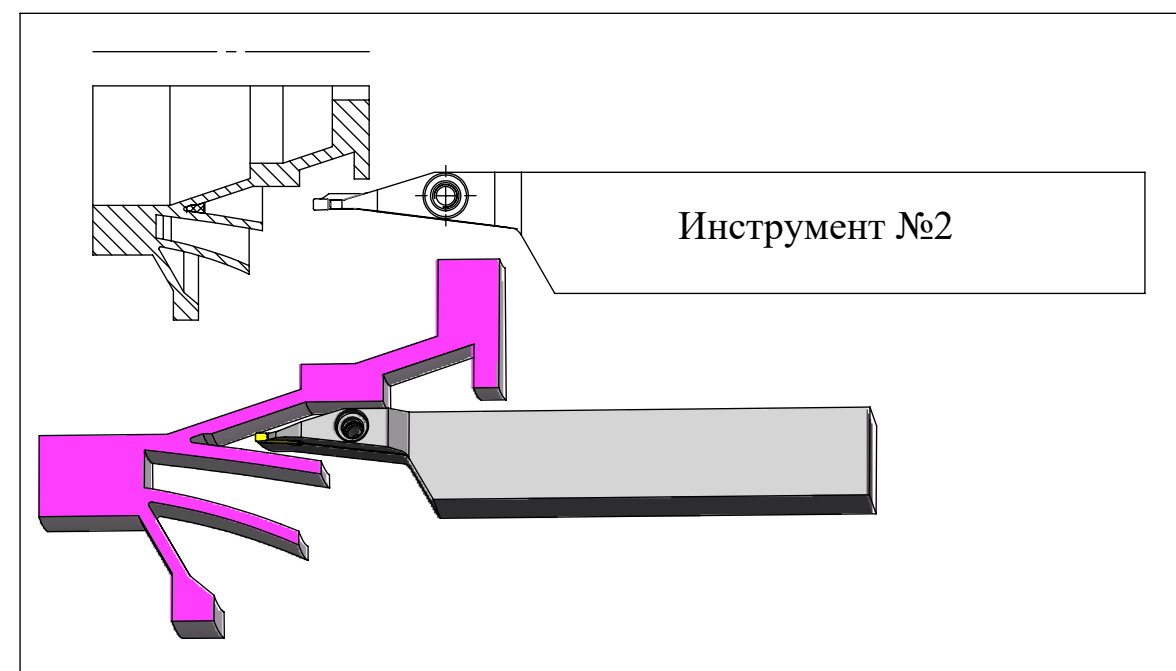
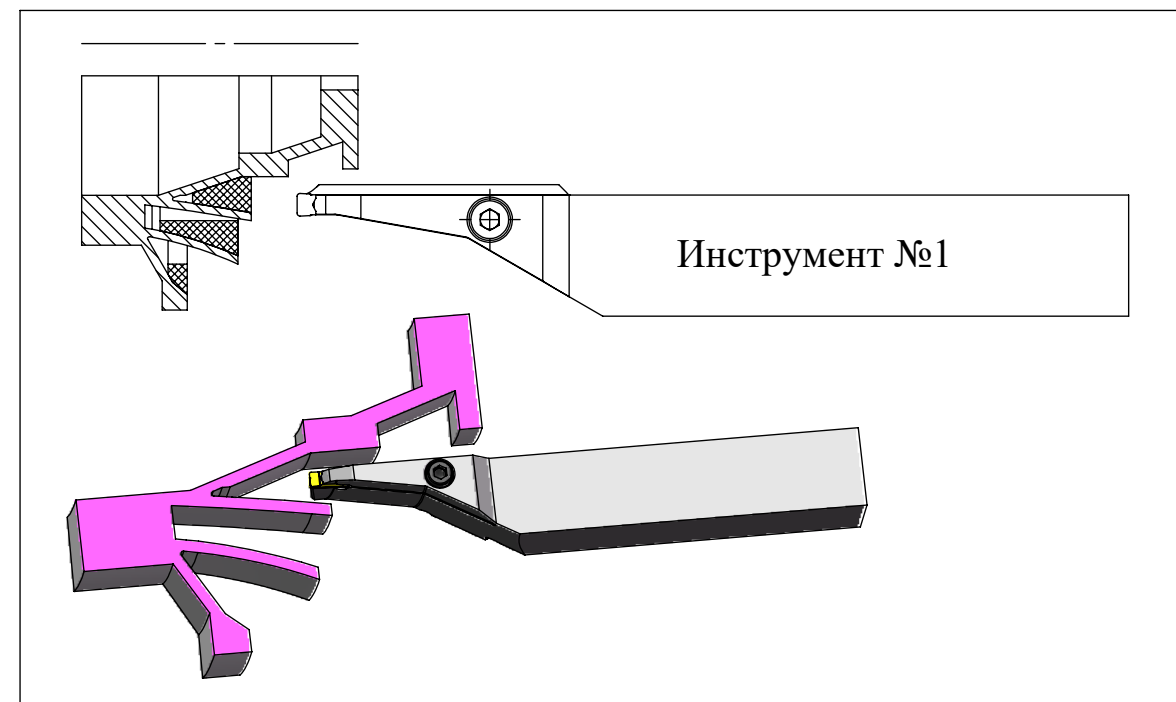
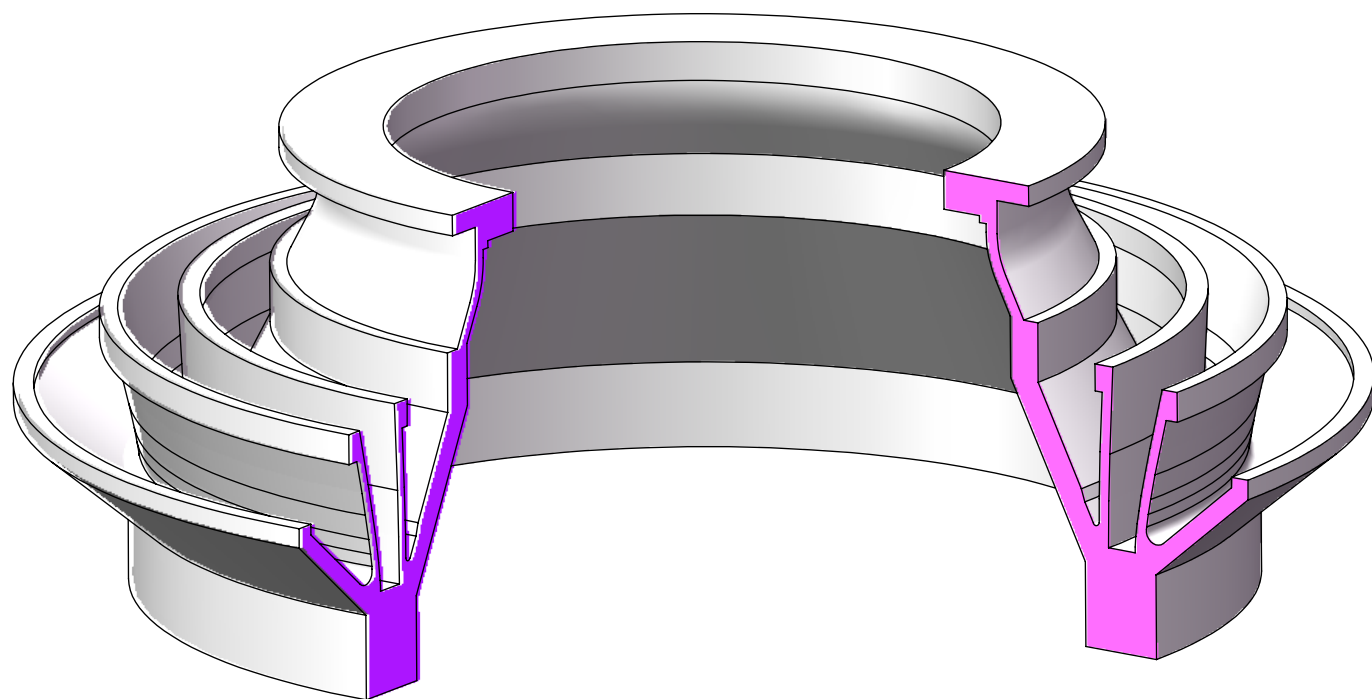


Рекомендации по параметрам обработки

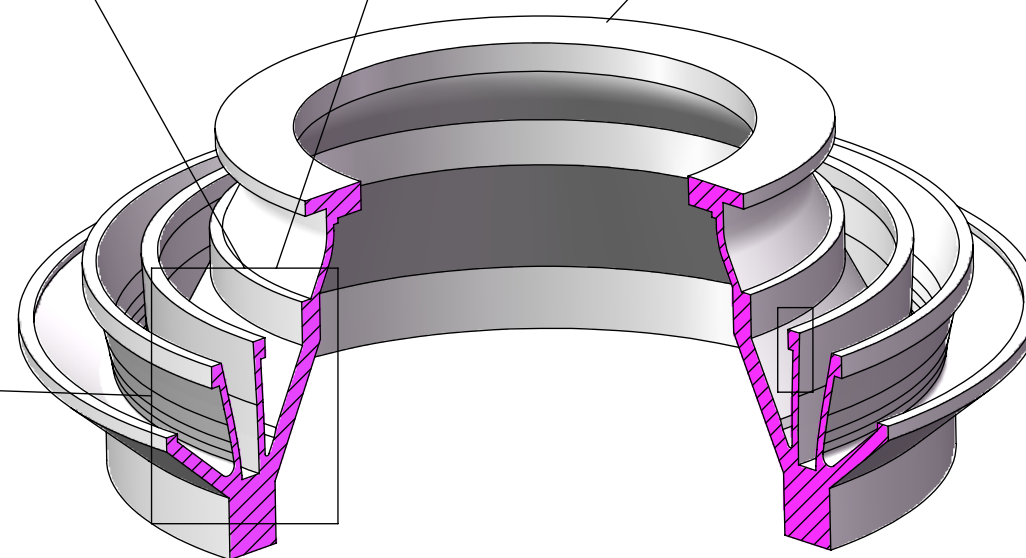
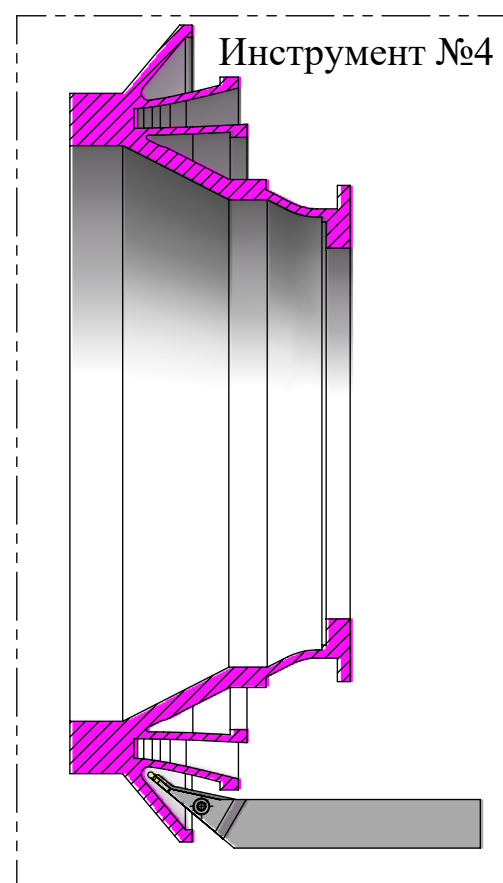
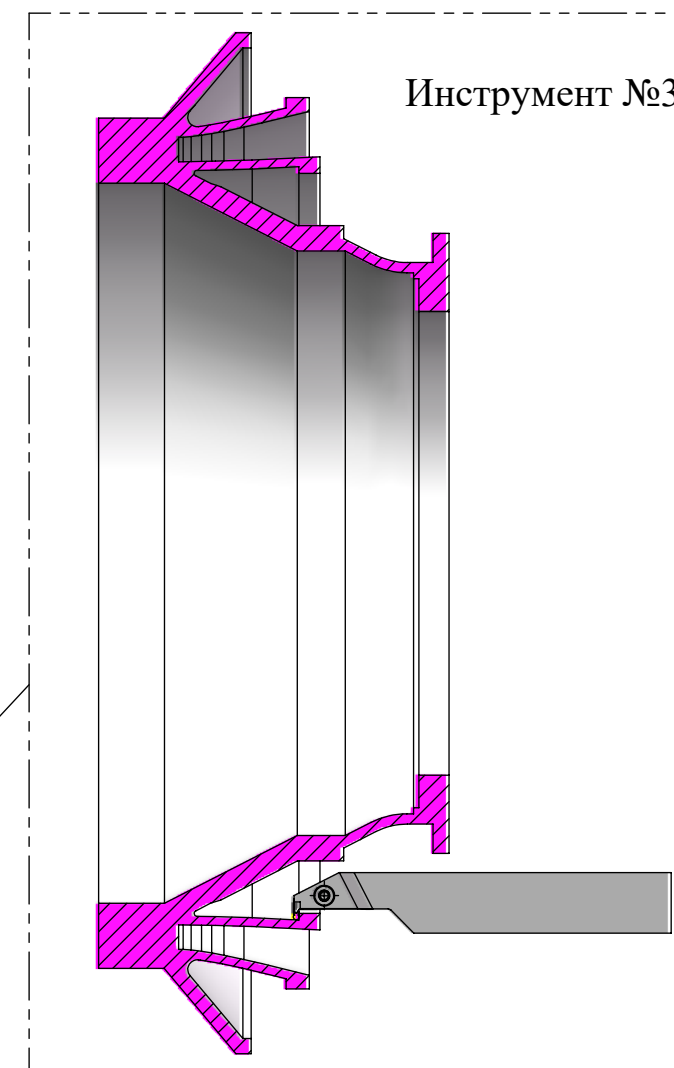
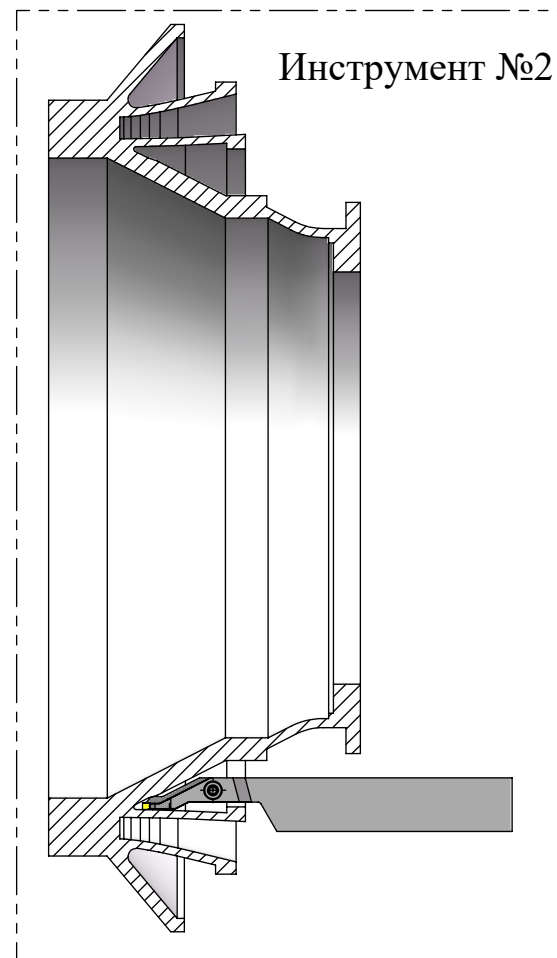
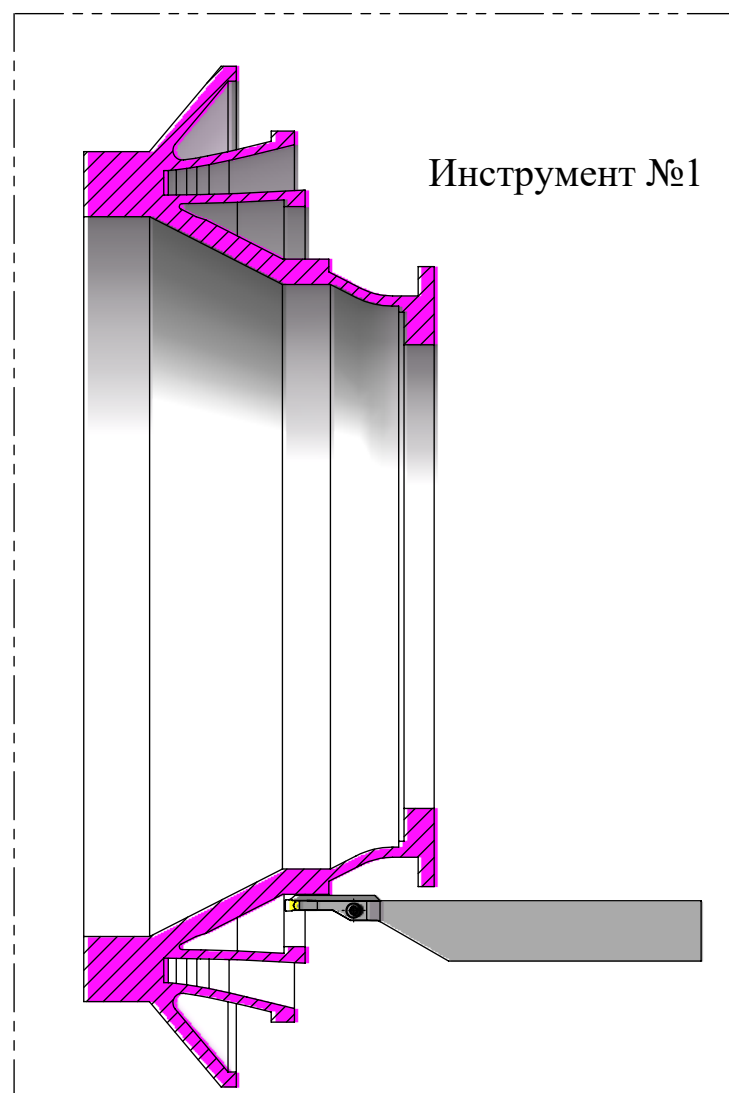
Технологический переход

Инструмент №4

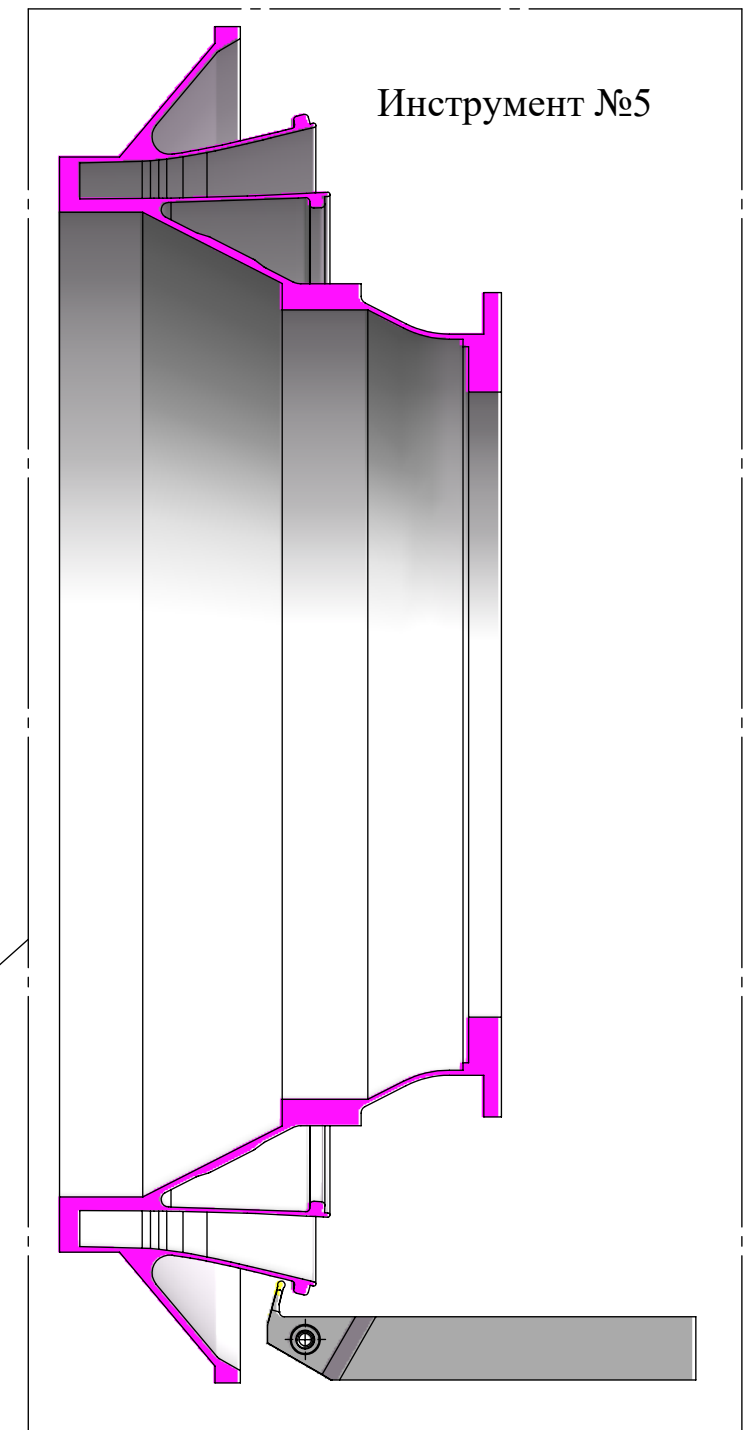
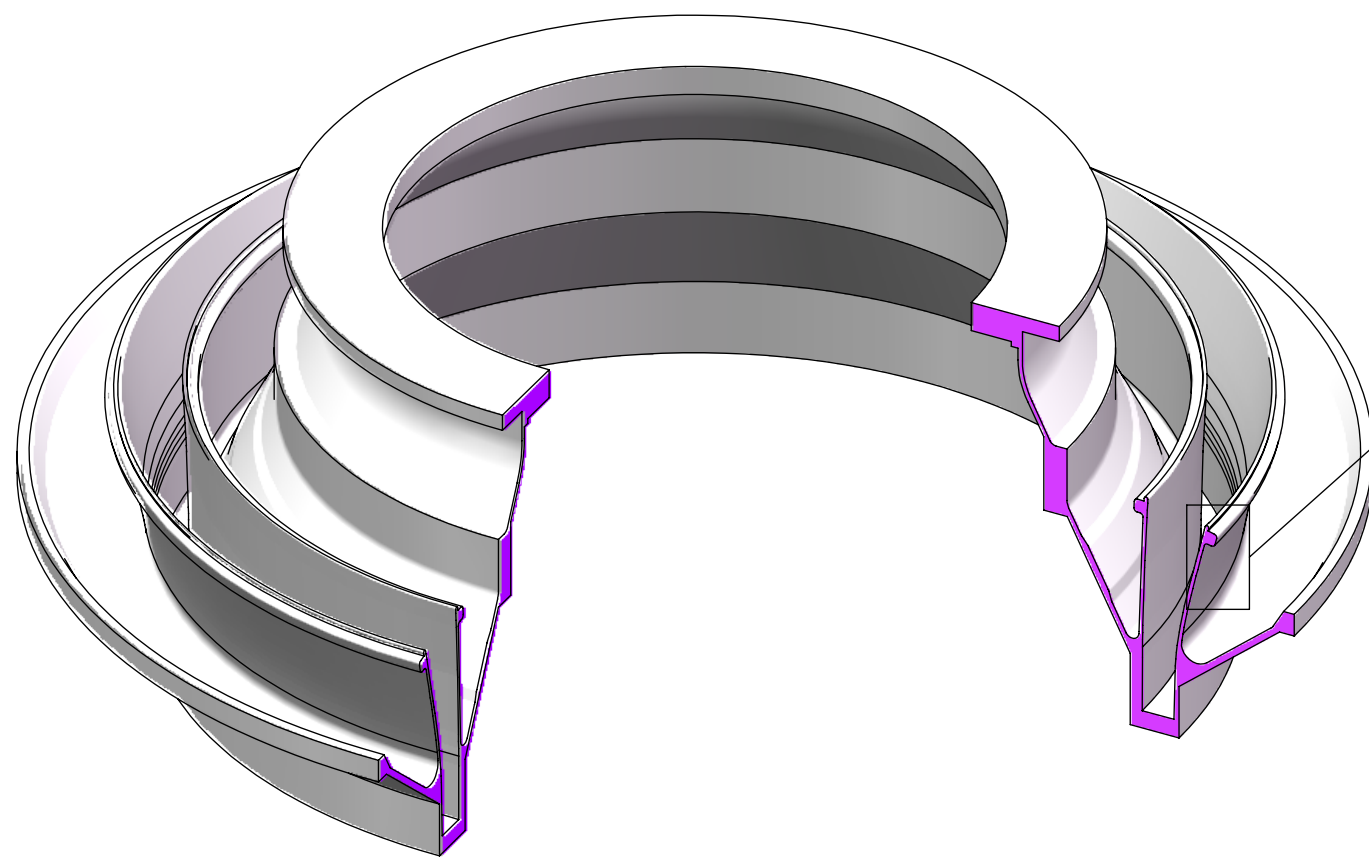
Диск Вала

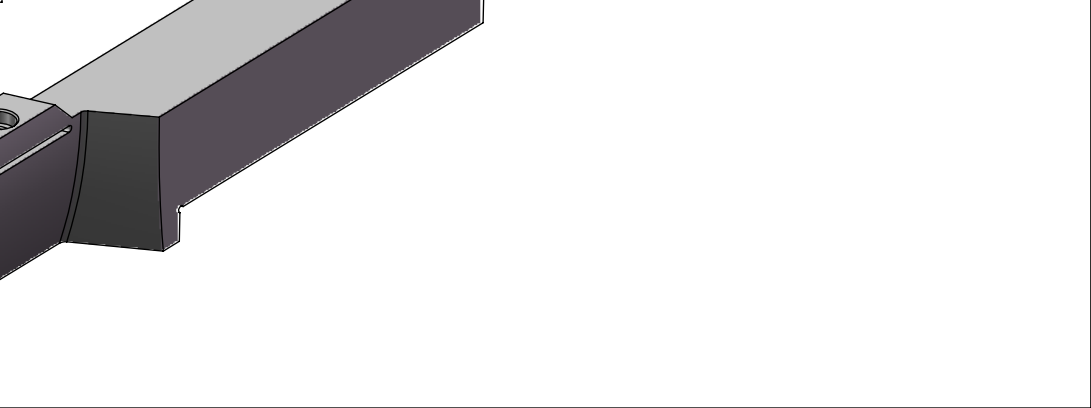
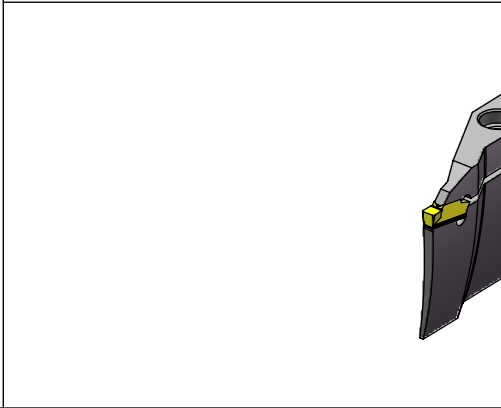
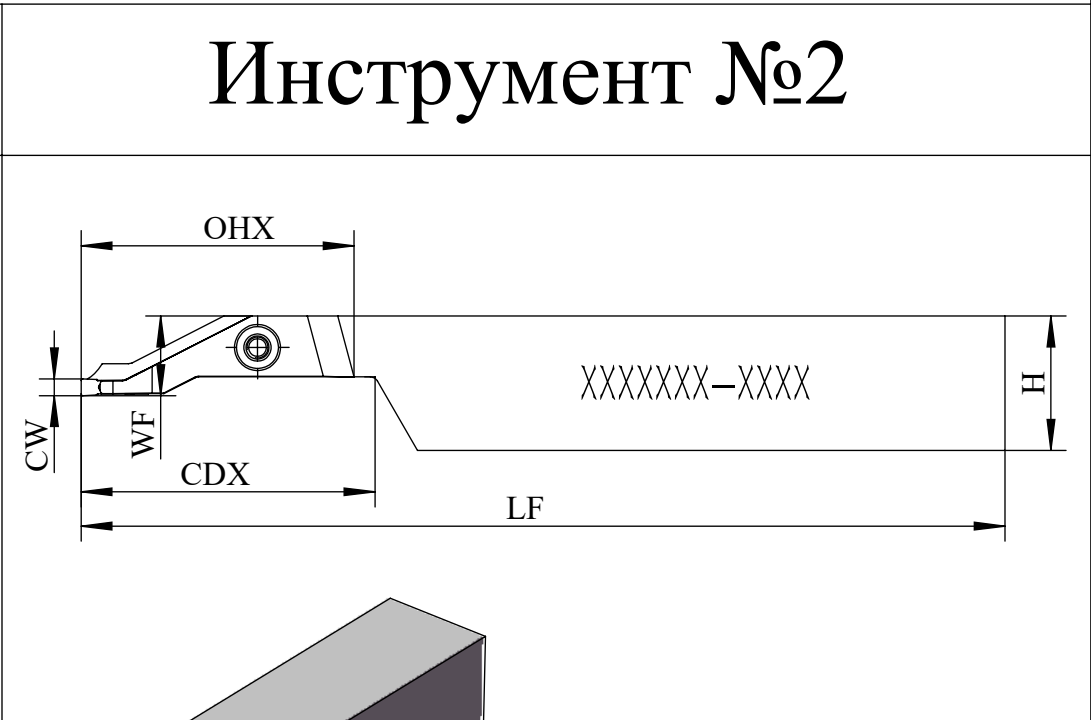
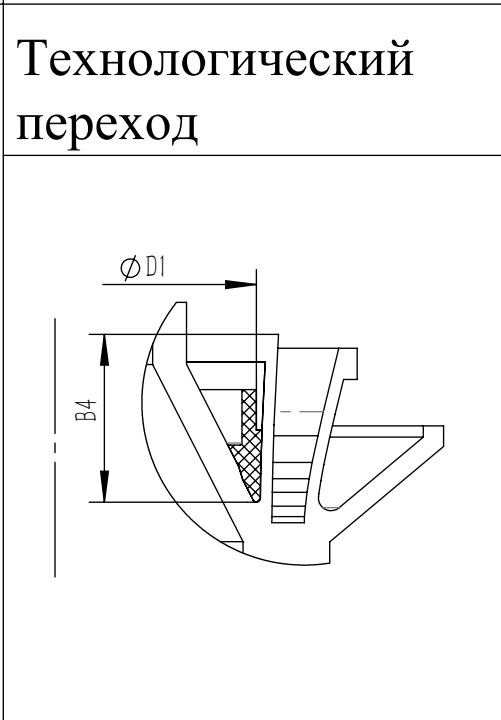
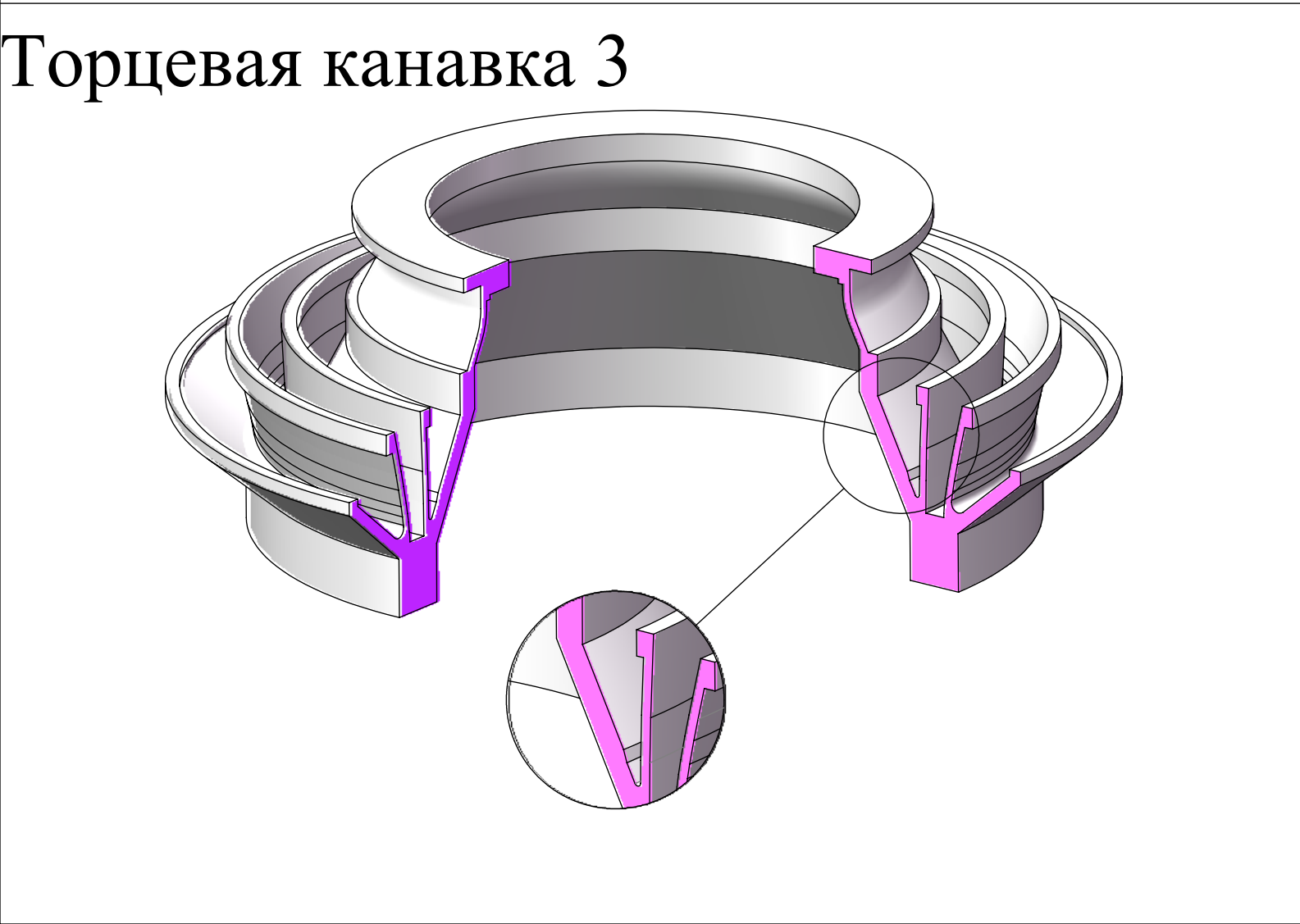
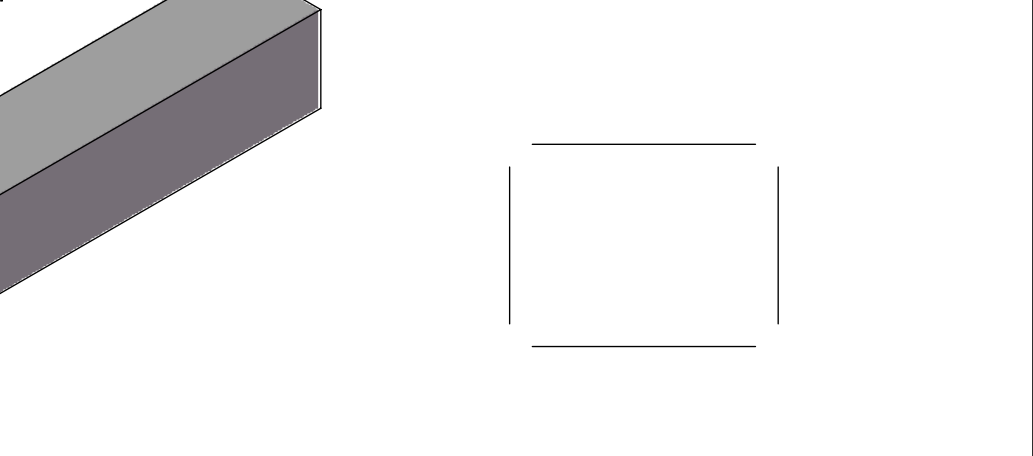
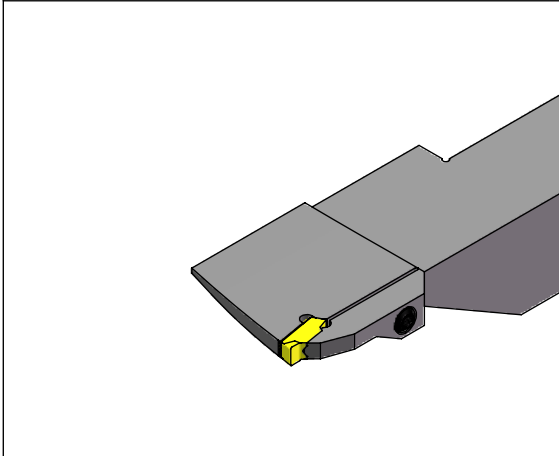
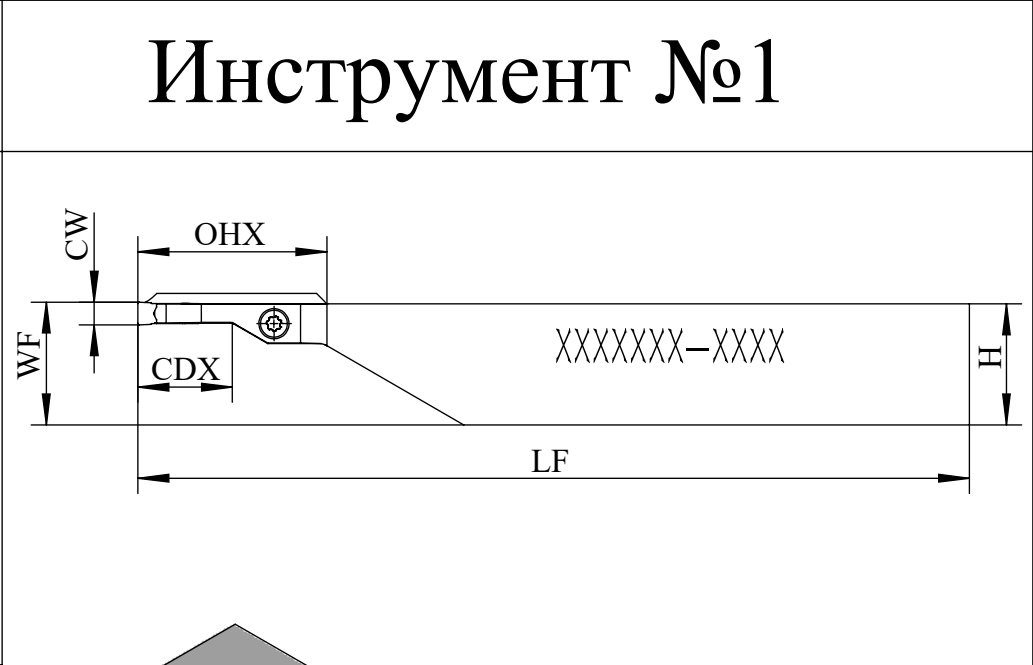
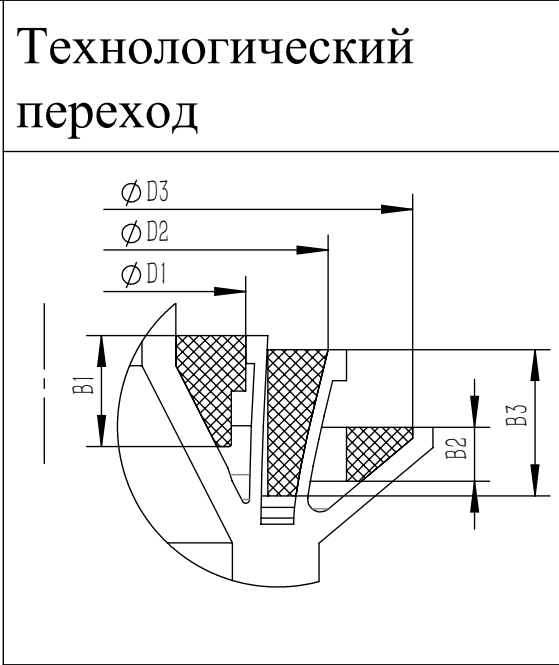
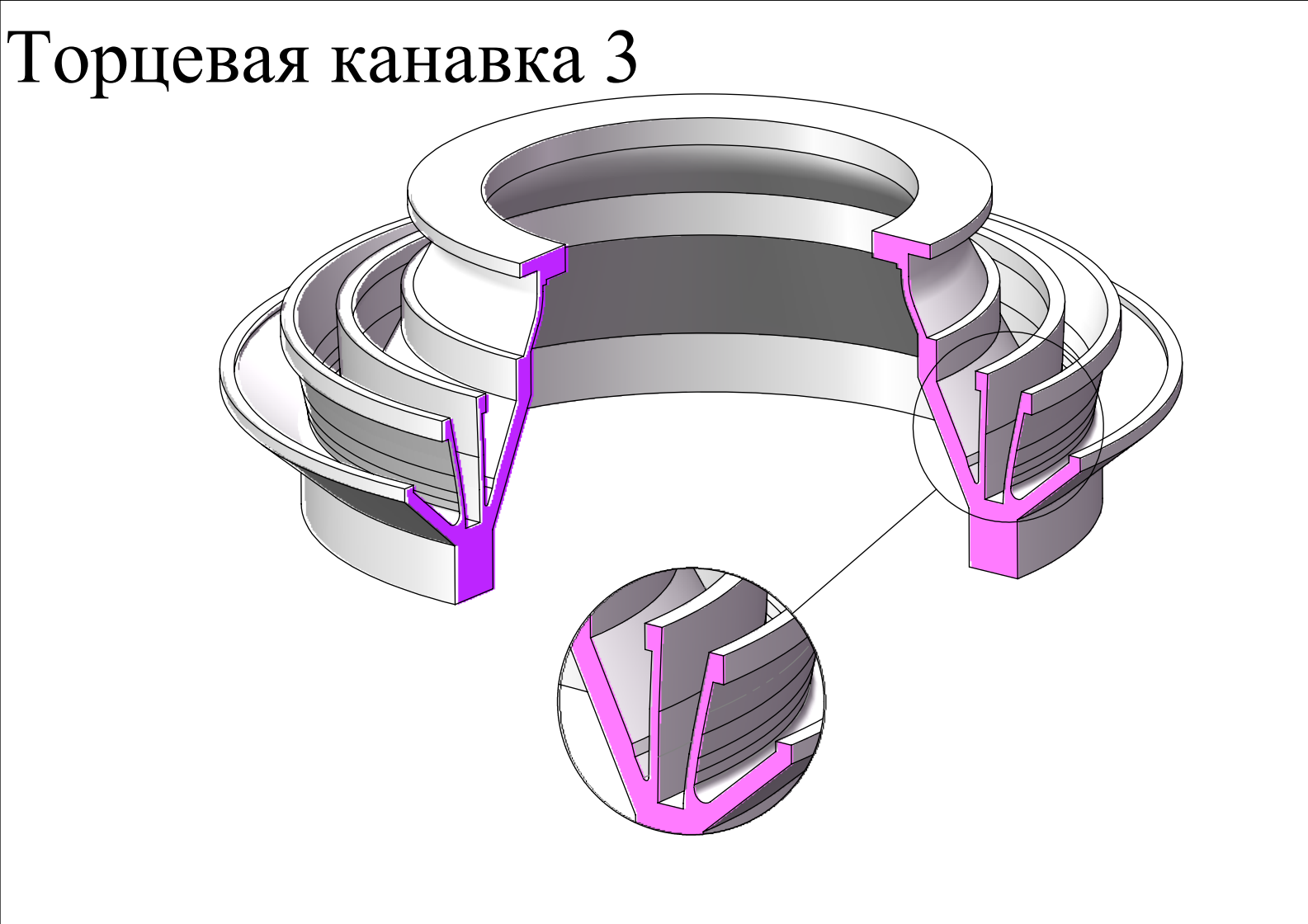


Диск вала



Диск вала

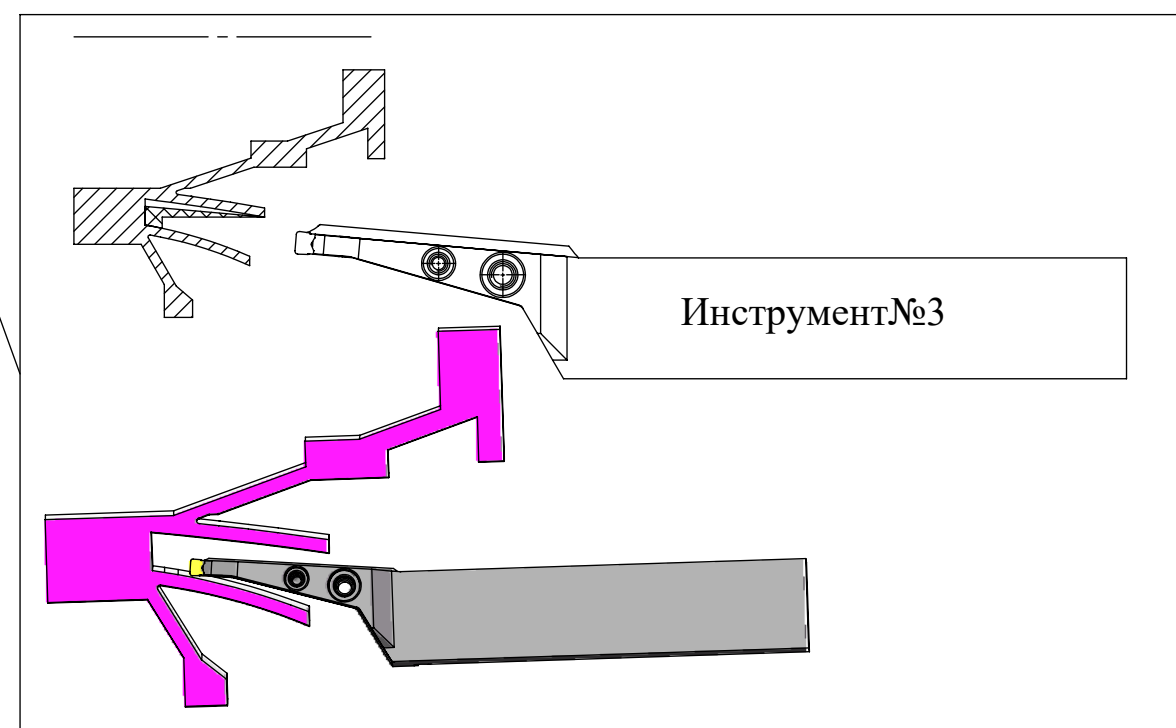
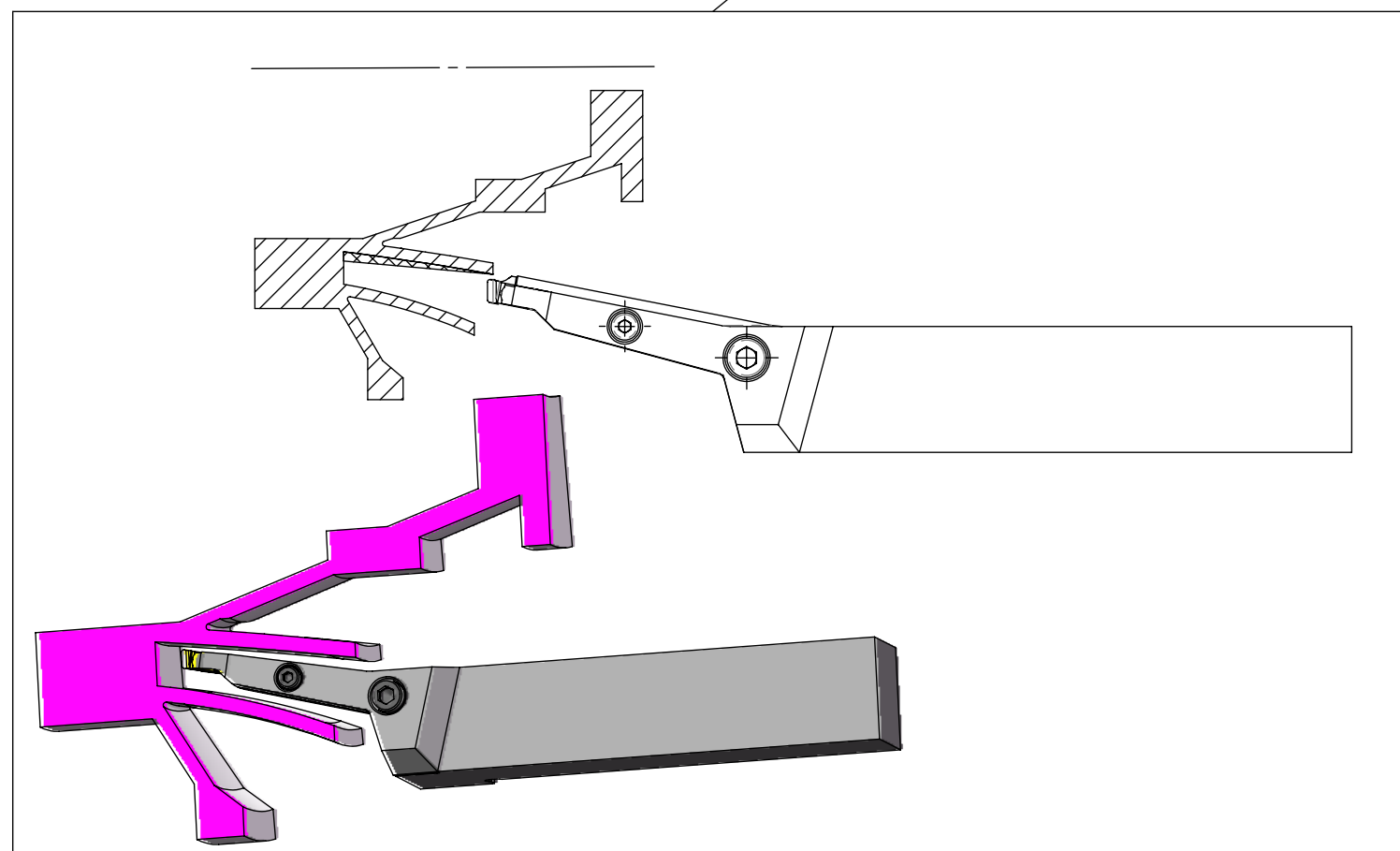
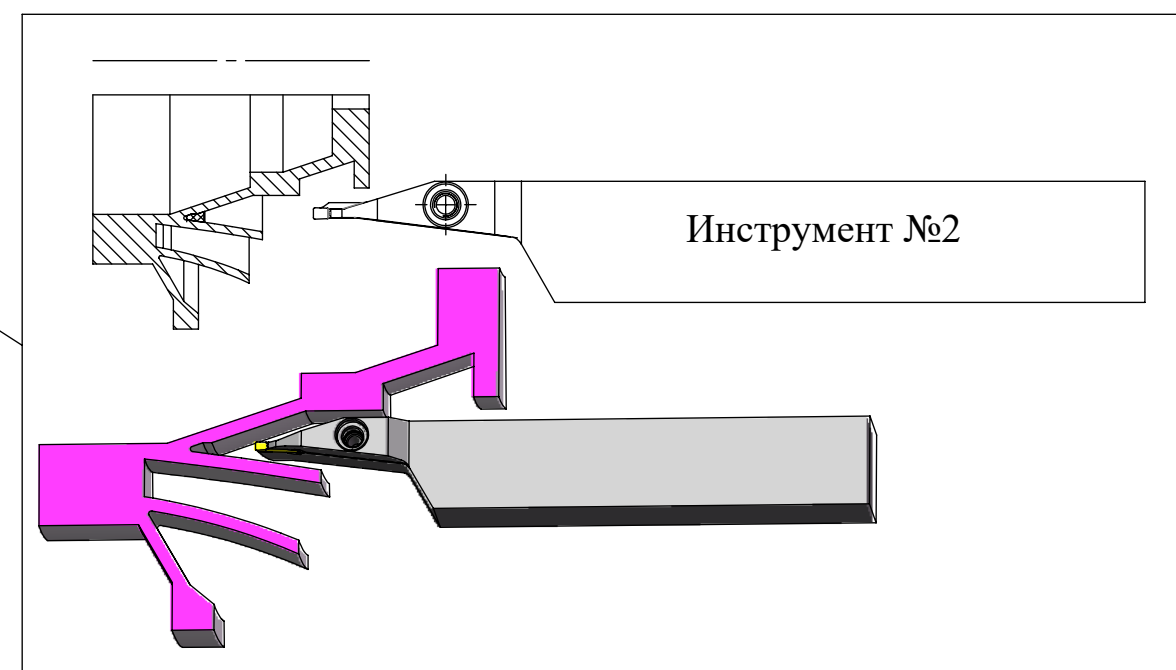
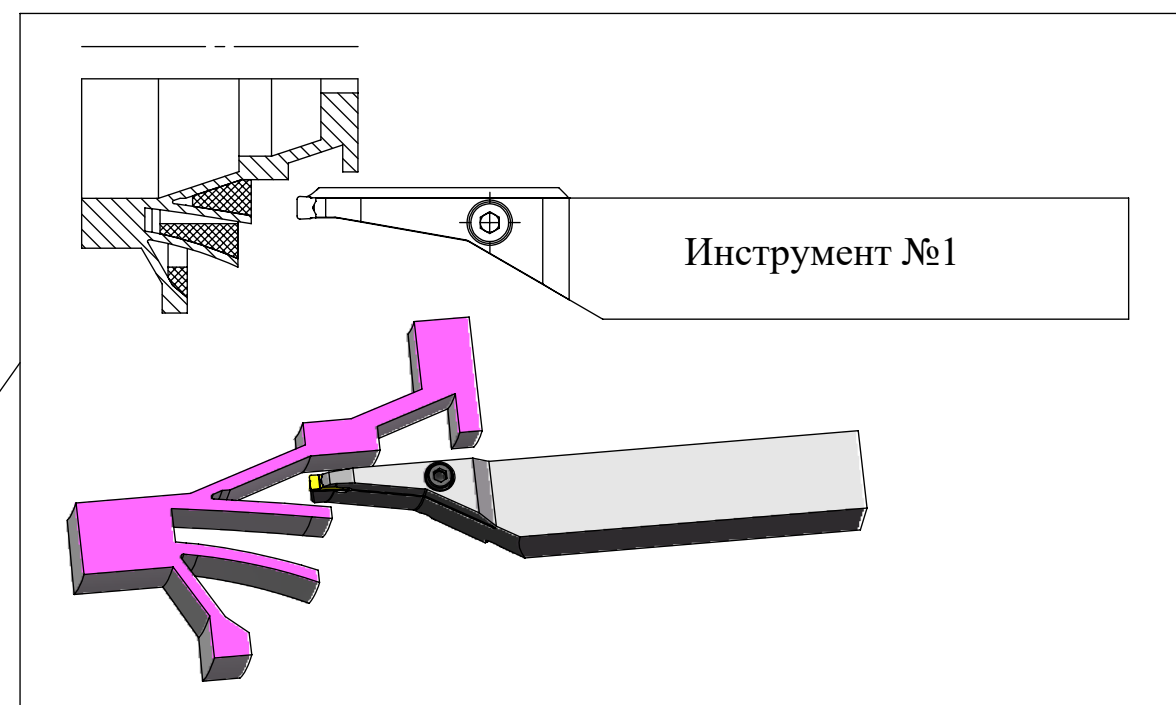
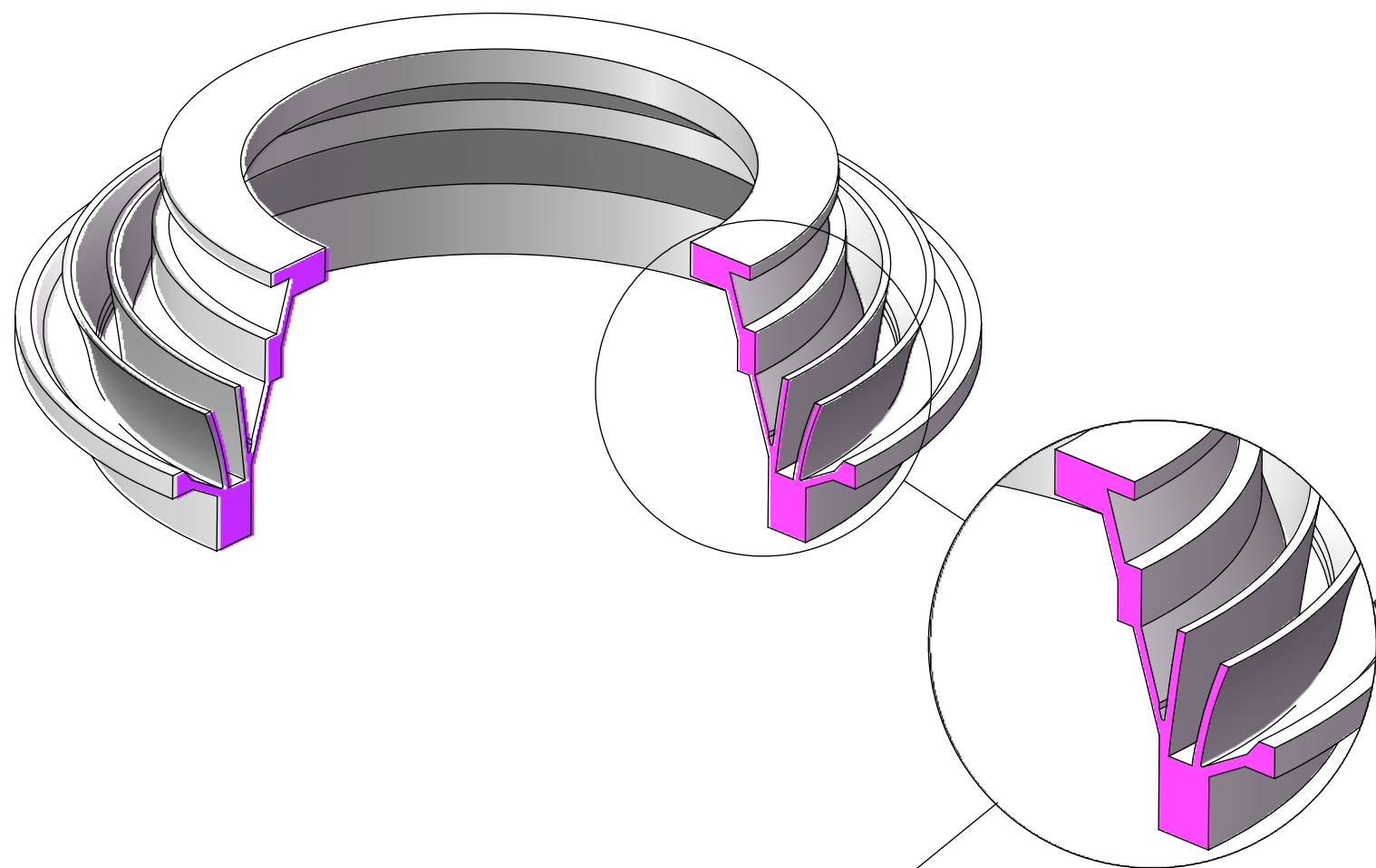




Торцевая канавка 3	Технологический переход	Инструмент №3
Торцевая канавка 3	Технологический переход	Инструмент №4

Торцевая канавка 3	Технологический переход	Инструмент №5
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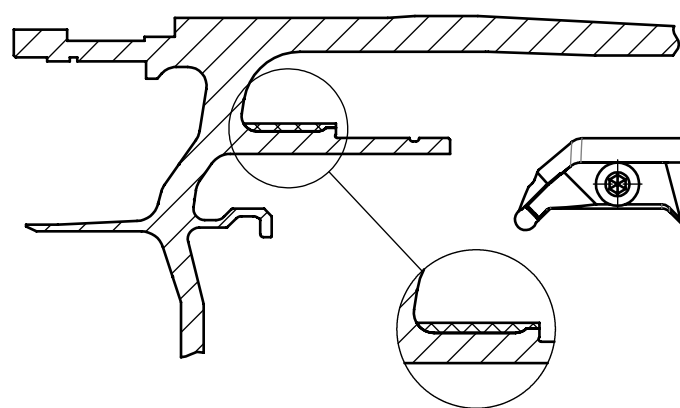
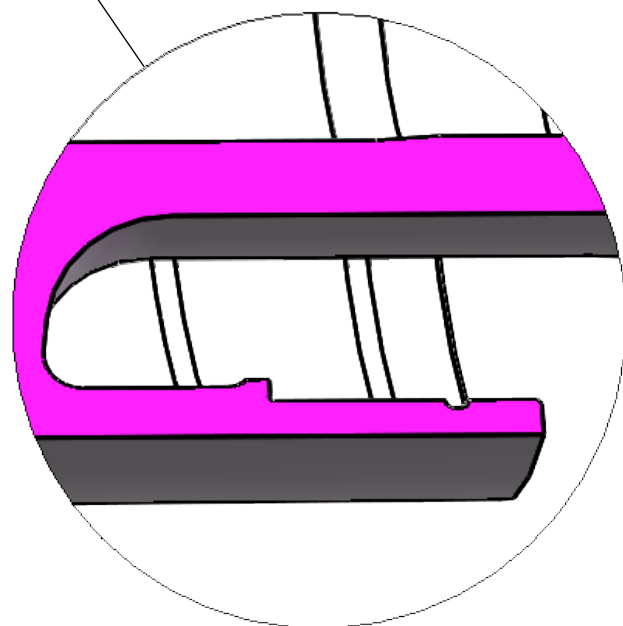
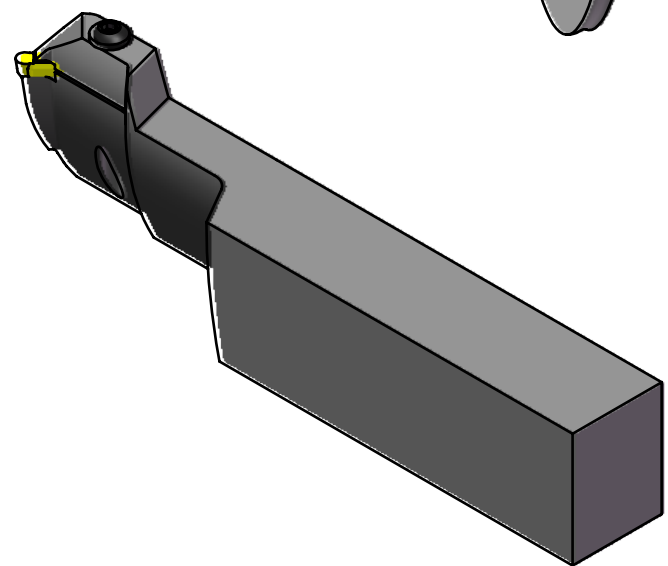
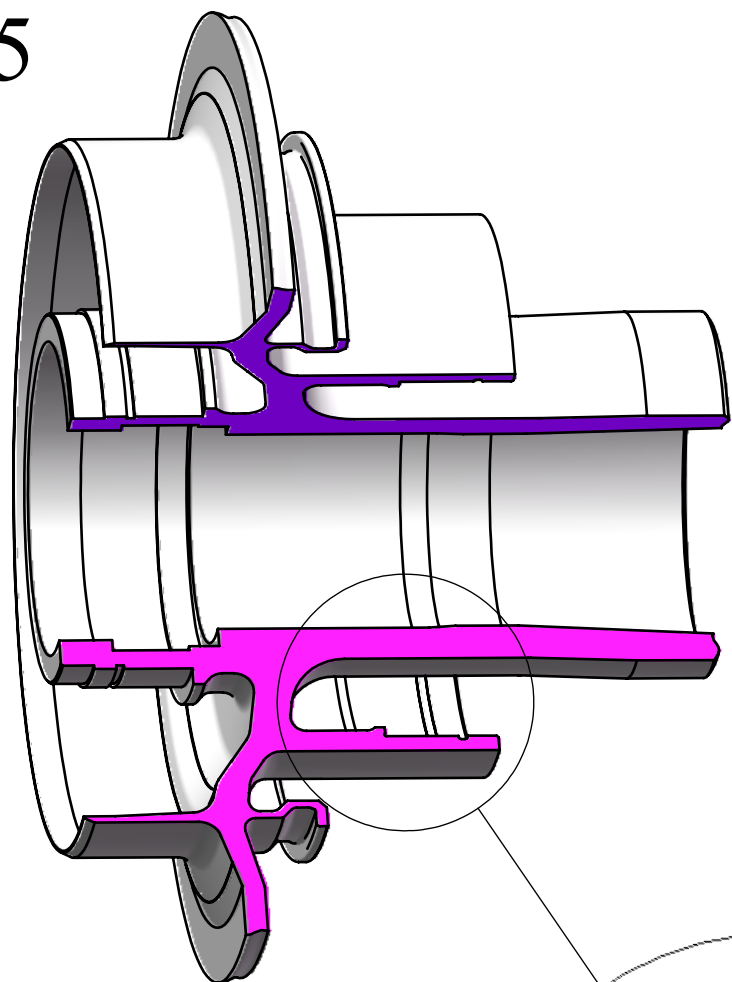
Торцевые канавки 4



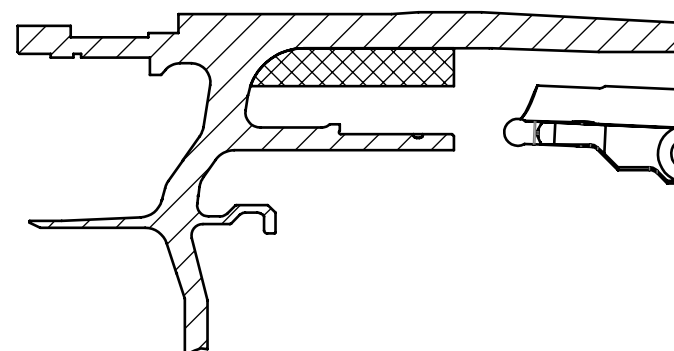
Торцевая канавка 4	Технологический переход	Инструмент №1
Торцевая канавка 4	Технологический переход	Инструмент №2

Торцевая канавка 4	Технологический переход	Инструмент №3
Торцевая канавка 4	Технологический переход	Инструмент №4

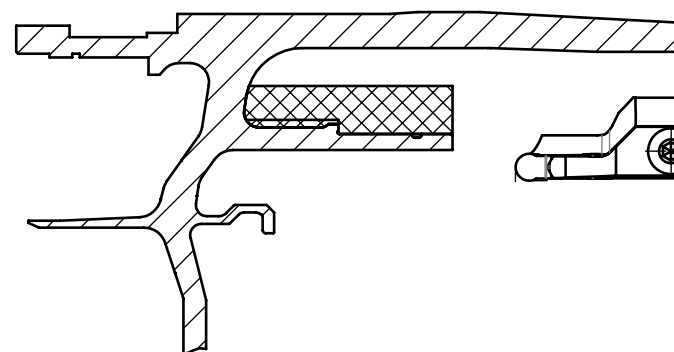
Диск вала 5



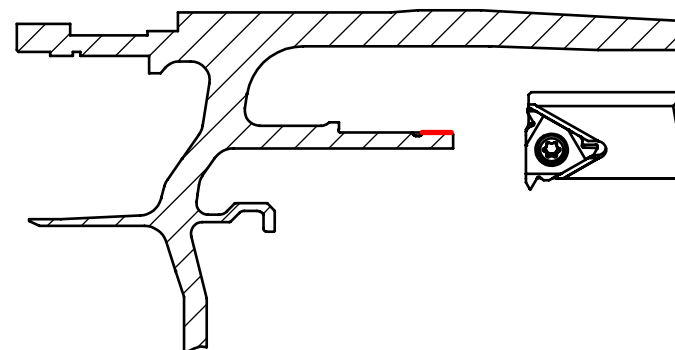
Инструмент №5



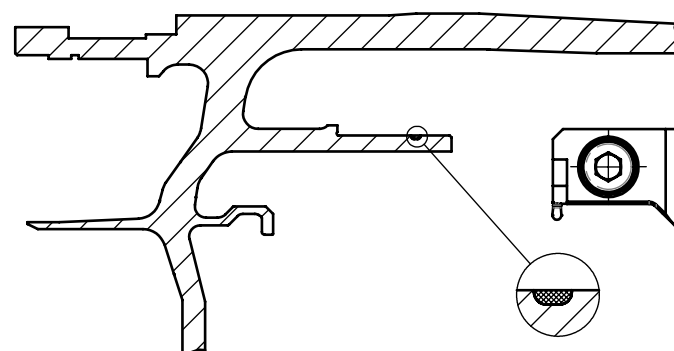
Инструмент №1



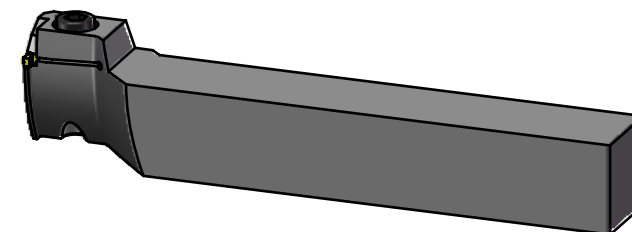
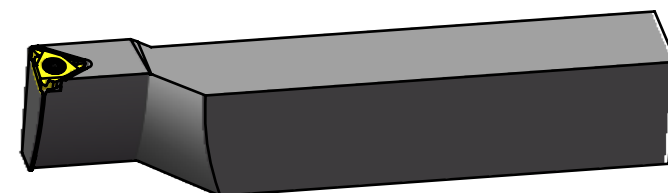
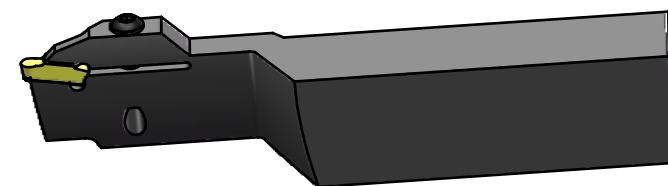
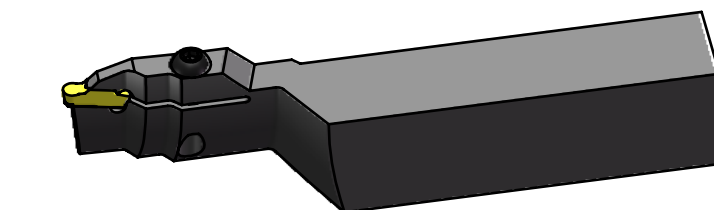
Инструмент №2



Инструмент №3

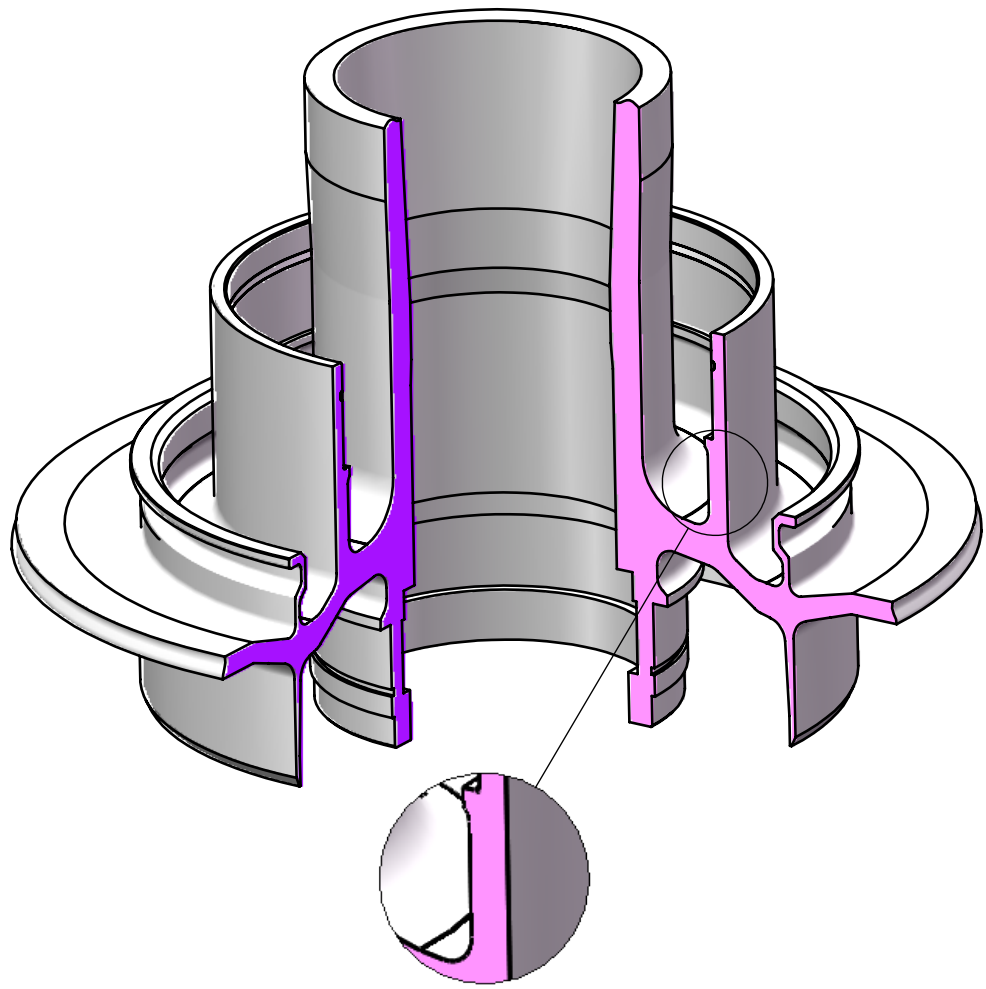
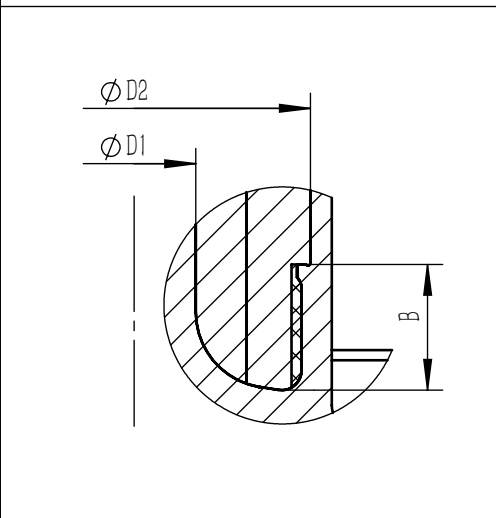
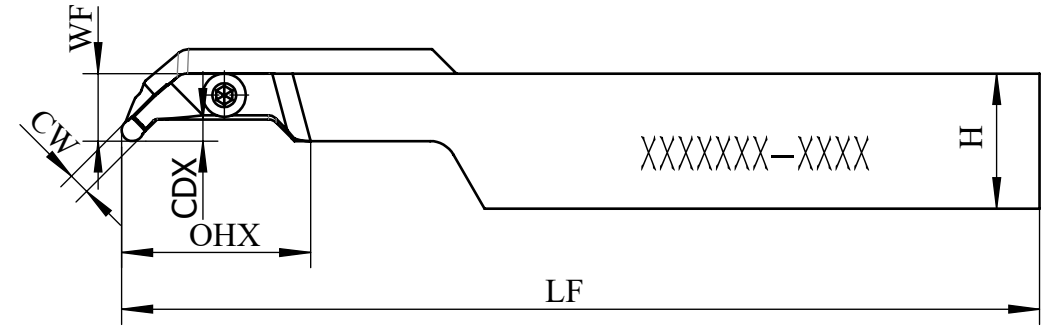
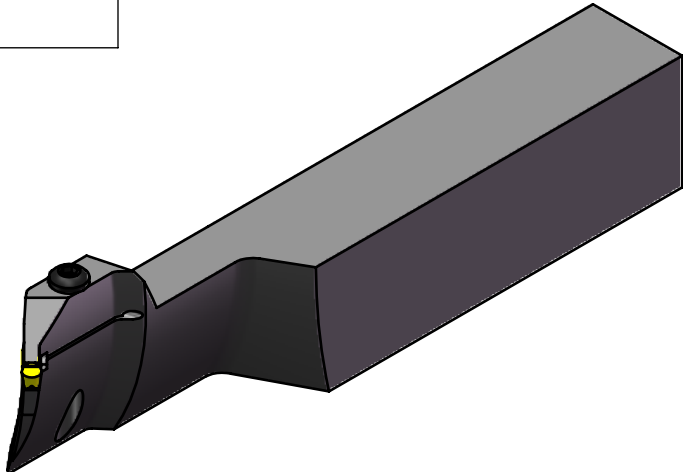
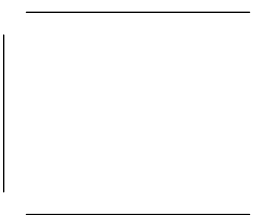


Инструмент №4

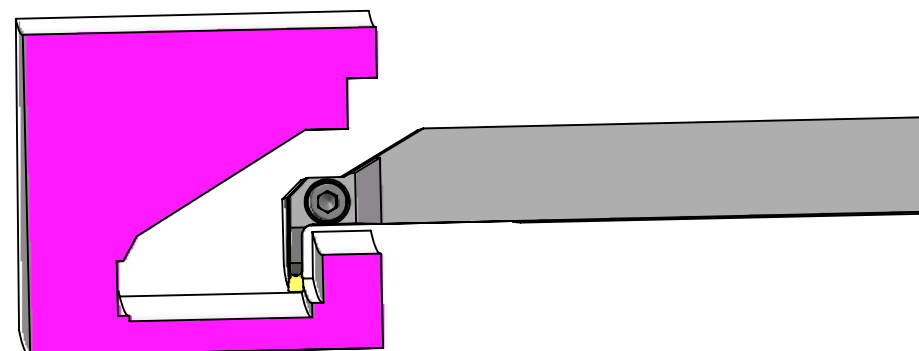
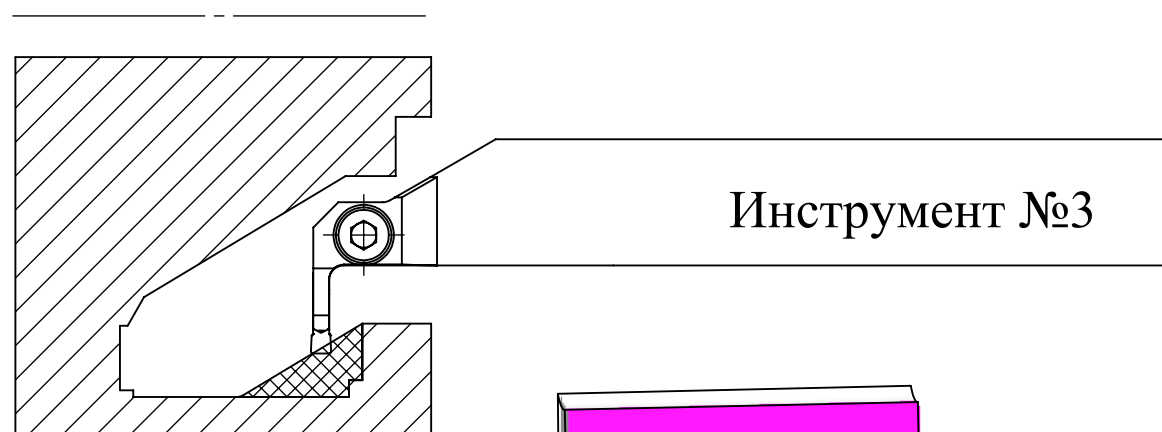
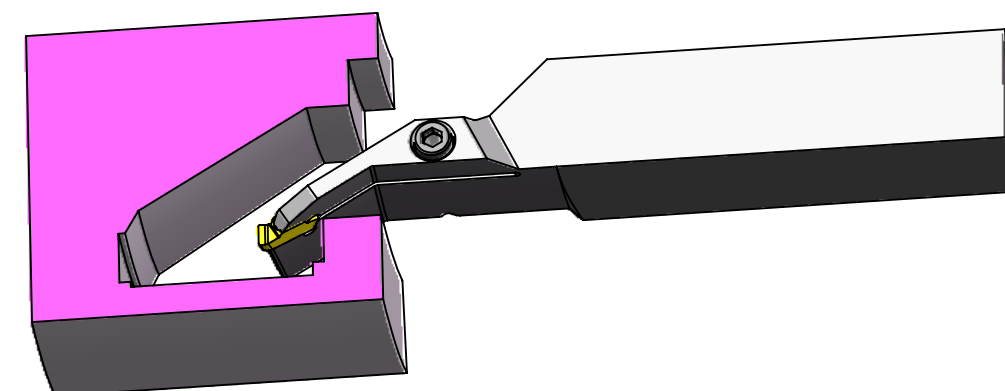
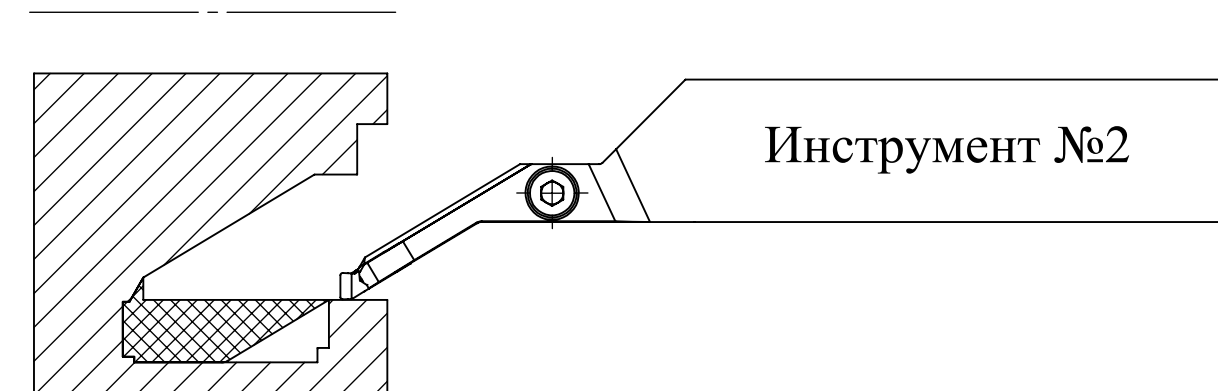
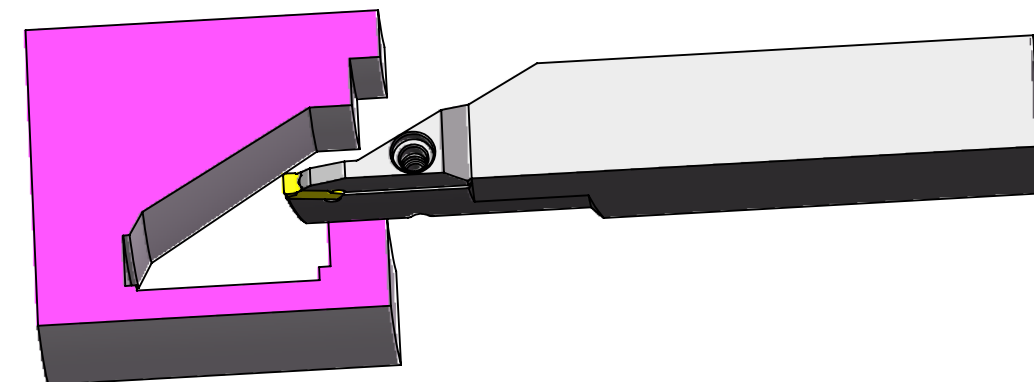
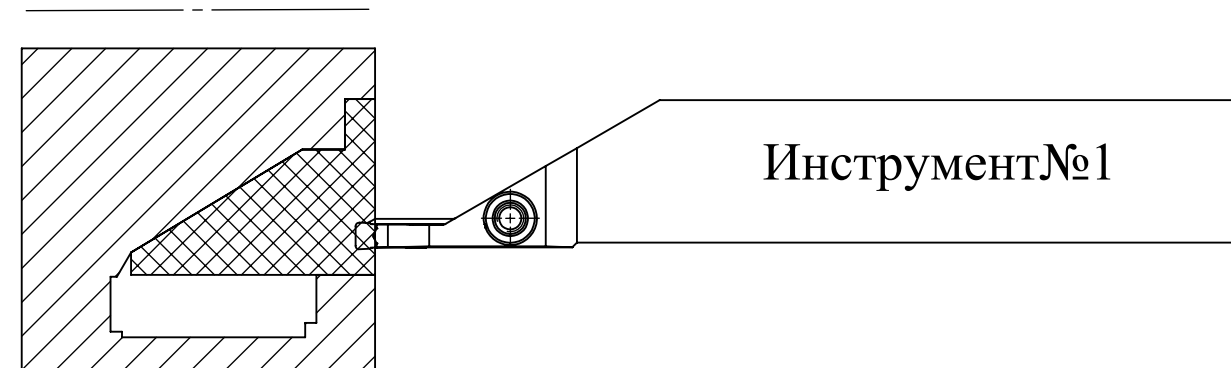
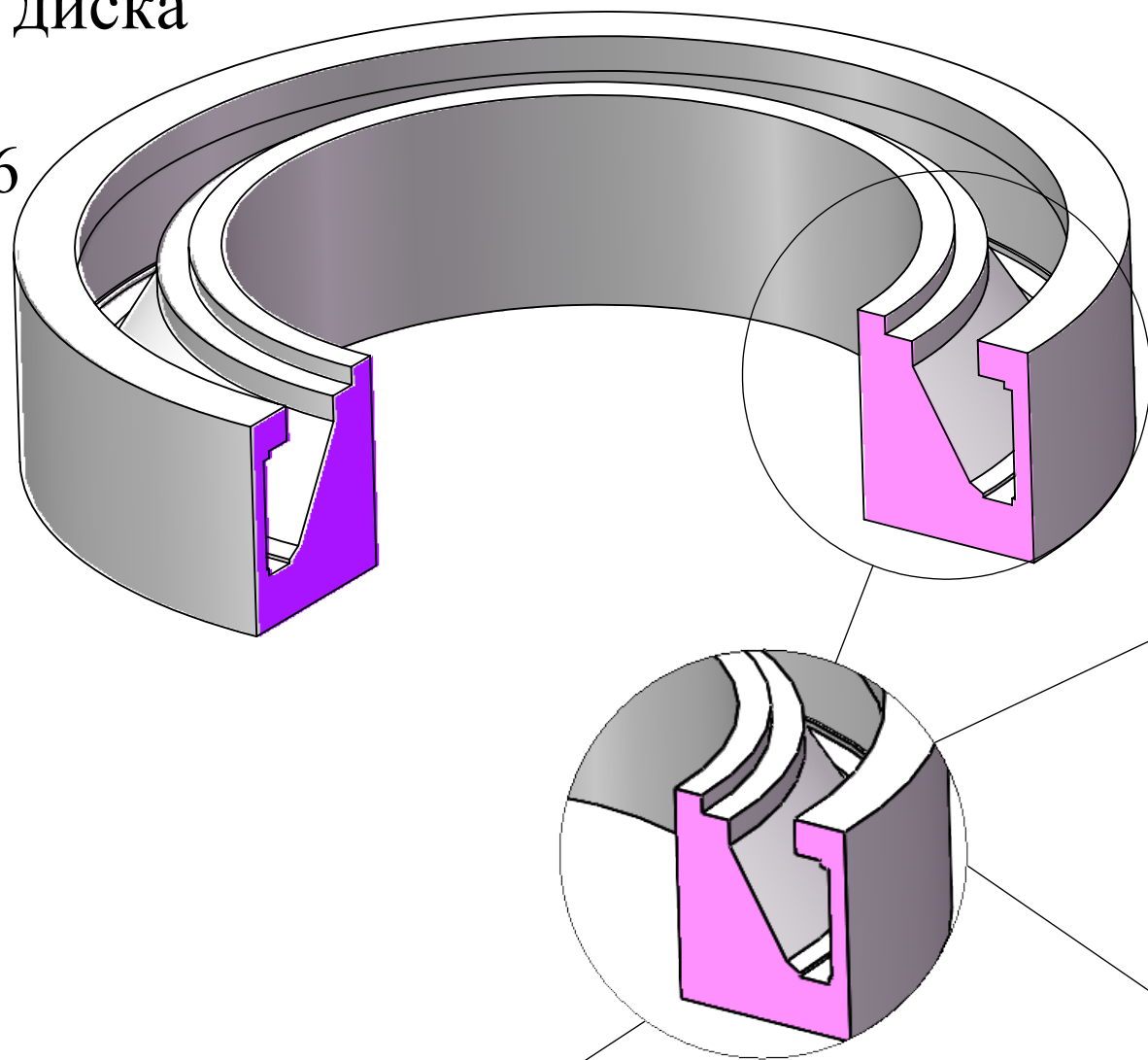


Торцевая канавка 5	Технологический переход	Инструмент №1
Торцевая канавка 5	Технологический переход	Инструмент №2

Торцевая канавка 5	Технологический переход	Инструмент №3
Торцевая канавка 5	Технологический переход	Инструмент №4

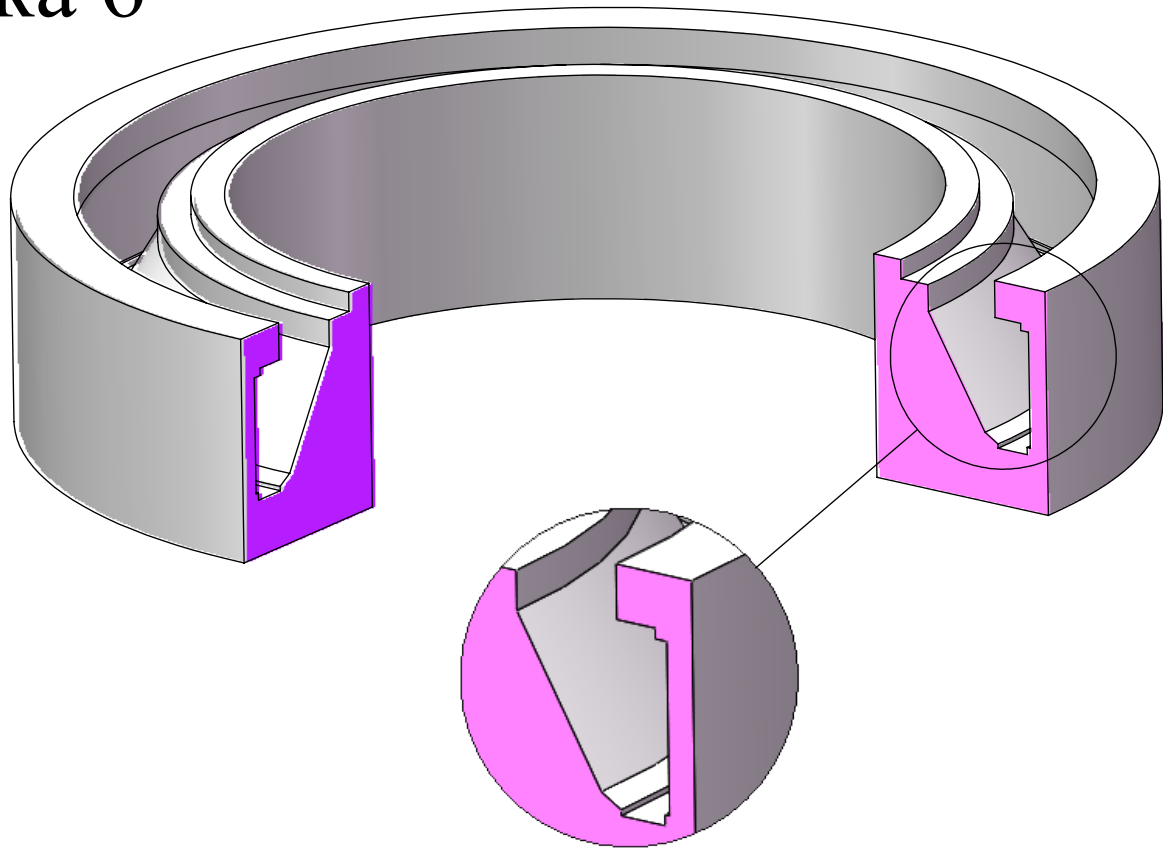
Торцевая канавка 5 	Технологический переход 	Инструмент №5   
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Элемент диска
Торцевая
канавка 6

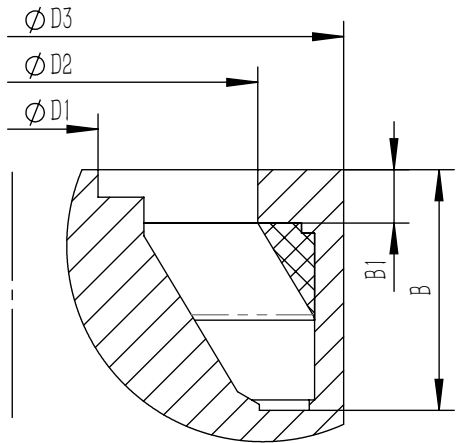


Торцевая канавка 6	Технологический переход	Инструмент №1
Торцевая канавка 6	Технологический переход	Инструмент №2

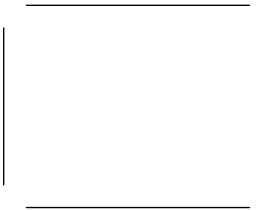
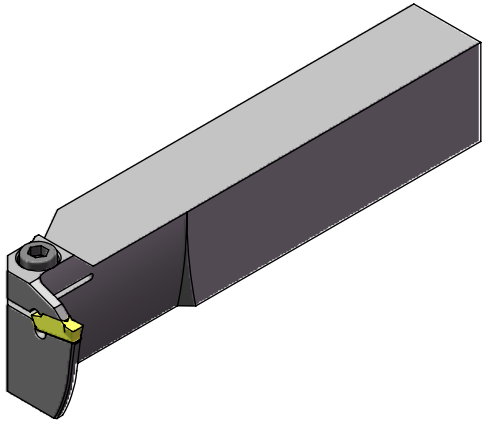
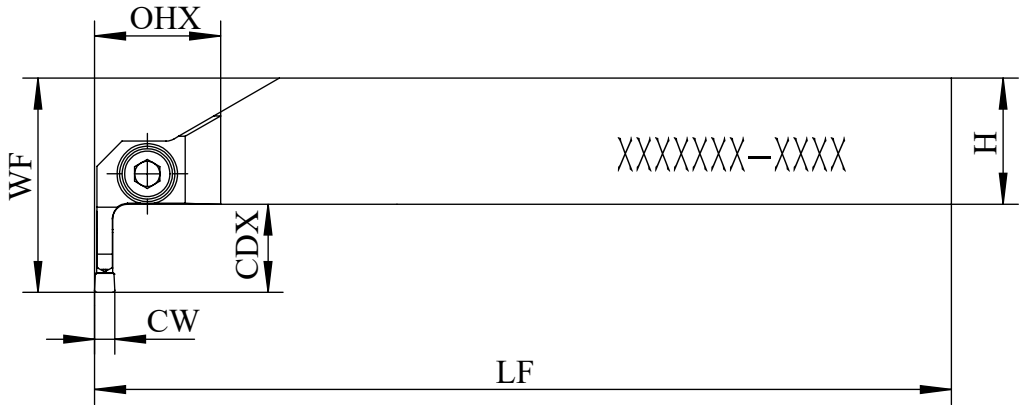
Торцевая канавка 6



Технологический переход

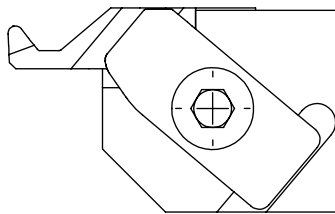
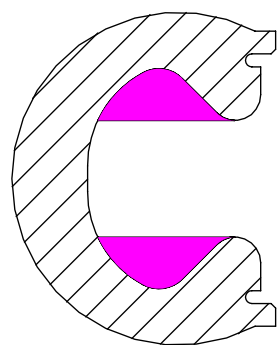
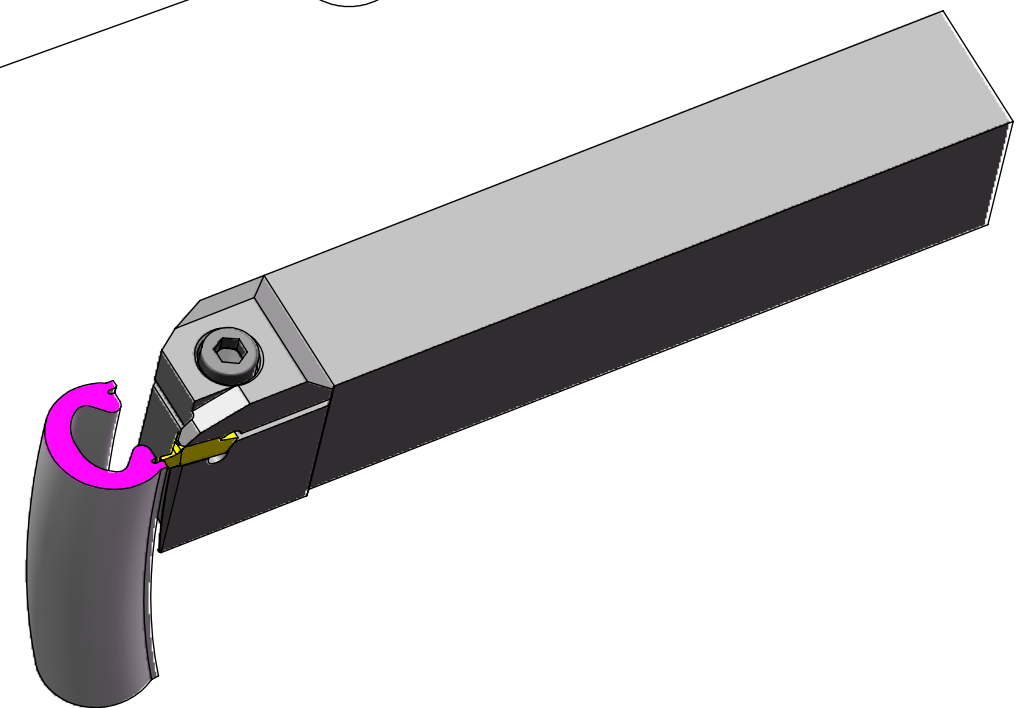
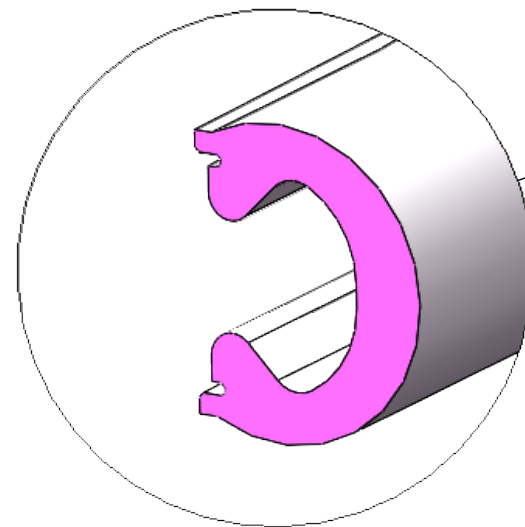
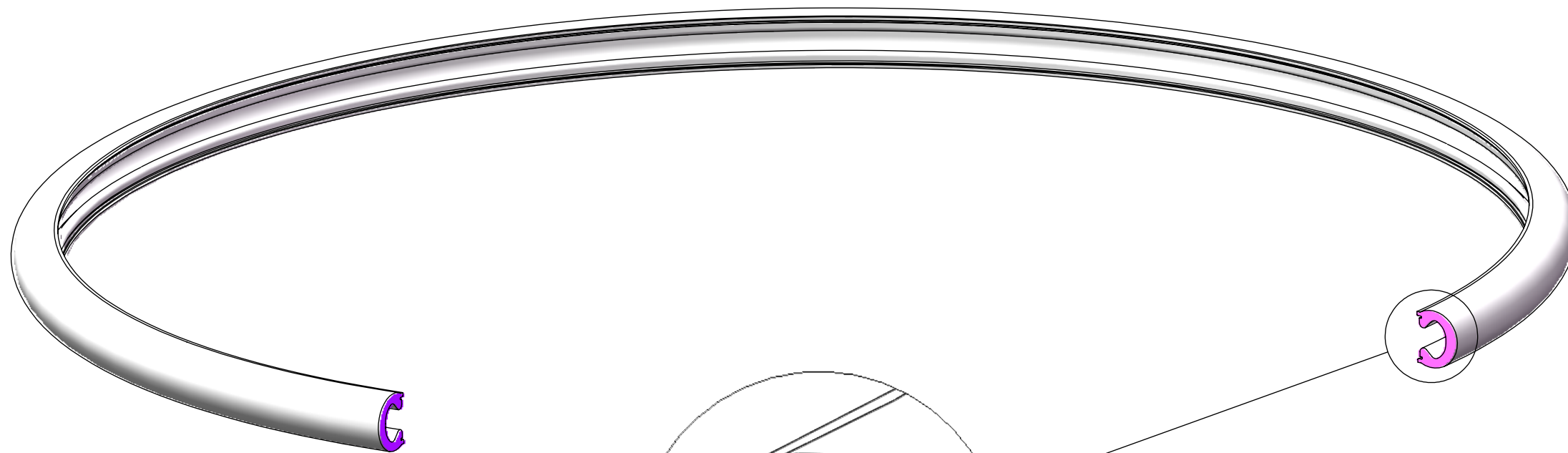


Инструмент №3

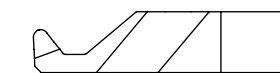


Кольцо

Канавка 7



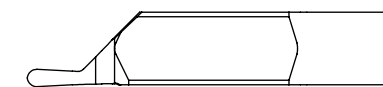
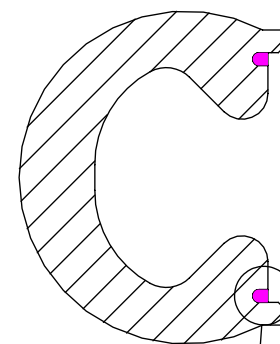
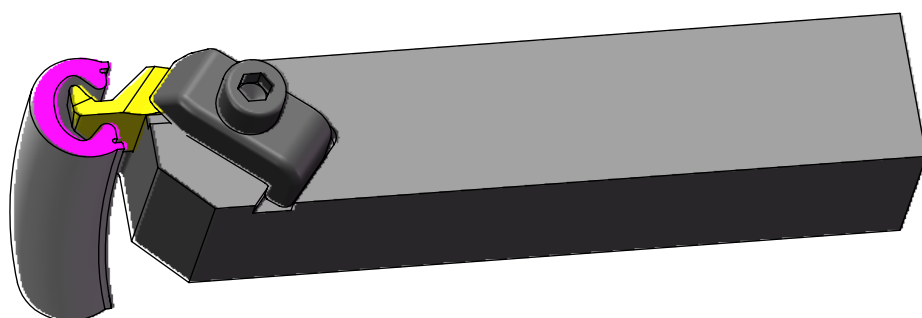
Инструмент №1



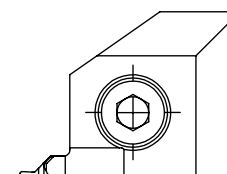
Пластина 1



Пластина 2



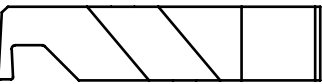
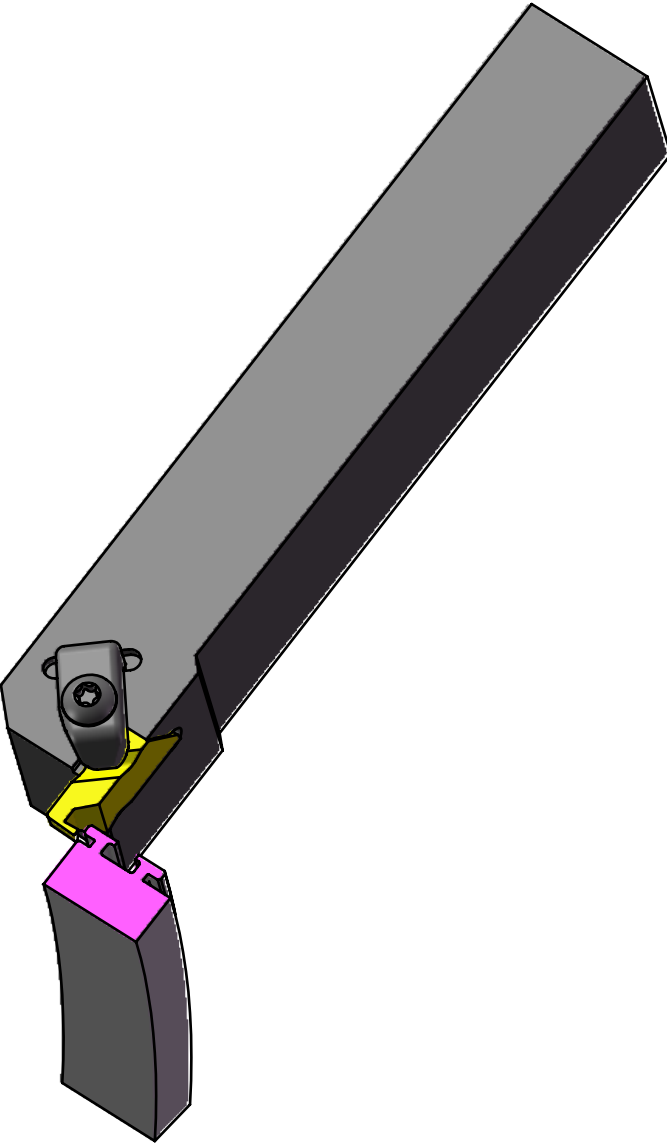
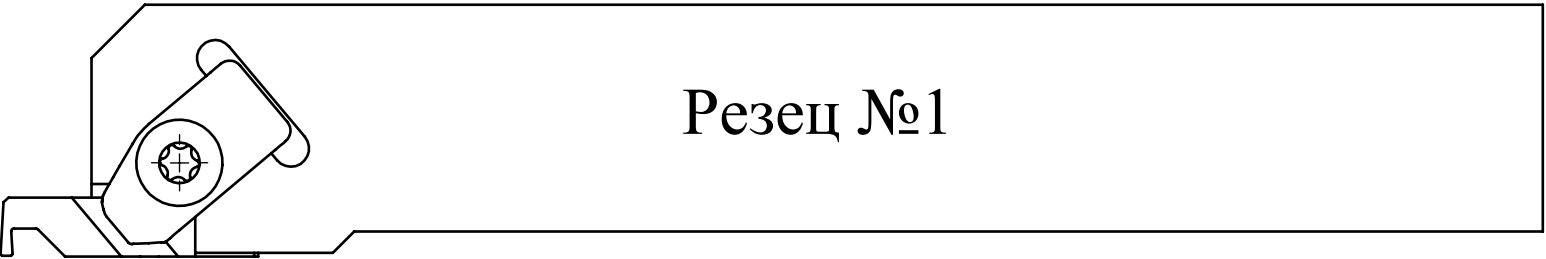
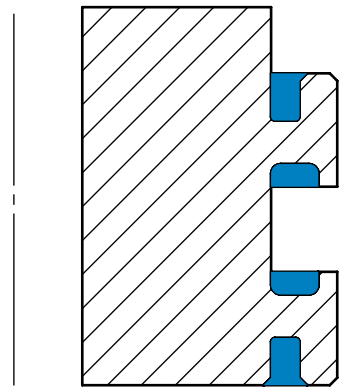
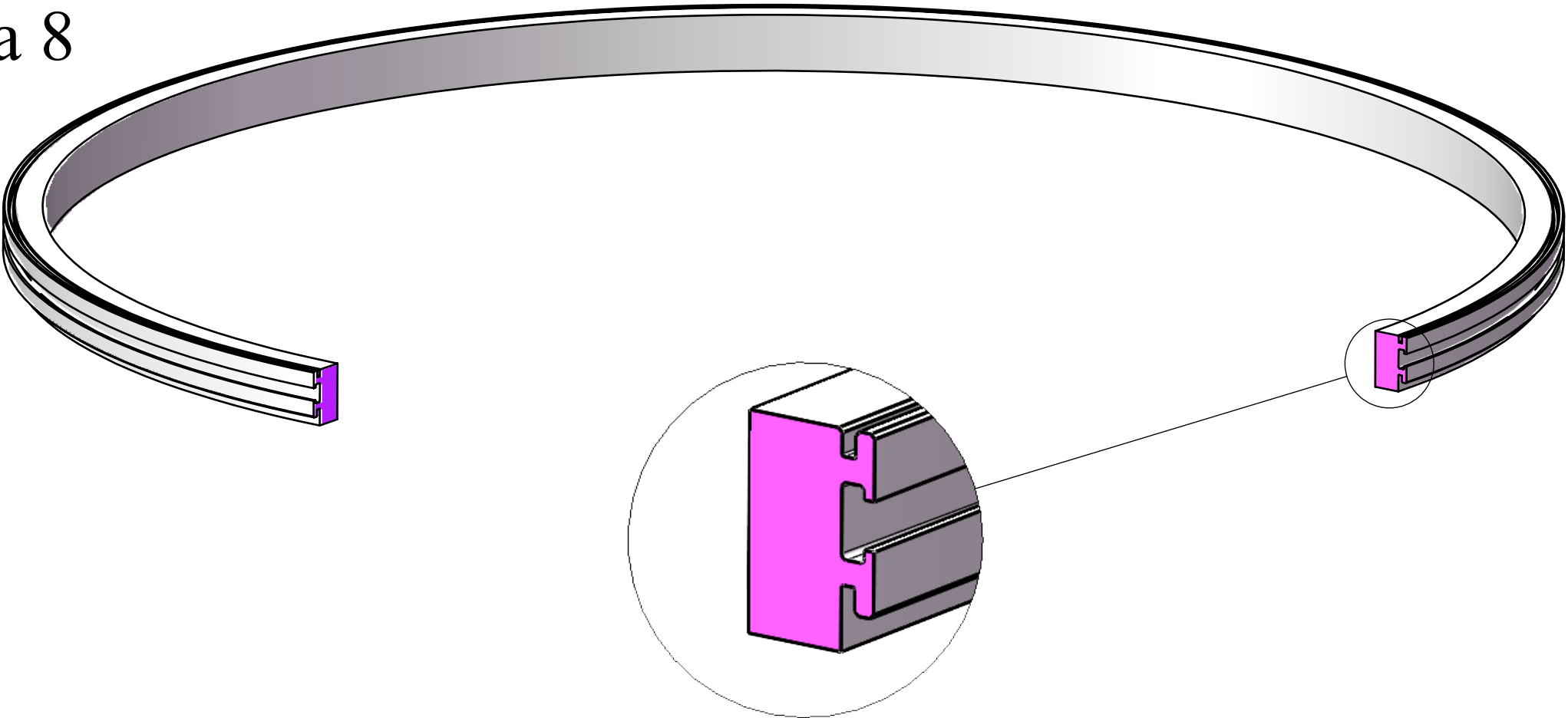
Пластина 1



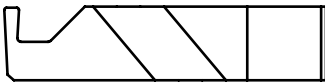
Инструмент №2

Канавка 7	Технологический переход	Инструмент №1
Канавка 7	Технологический переход	Инструмент №2

Кольцо
Канавка 8



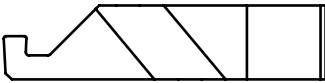
Пластина 1



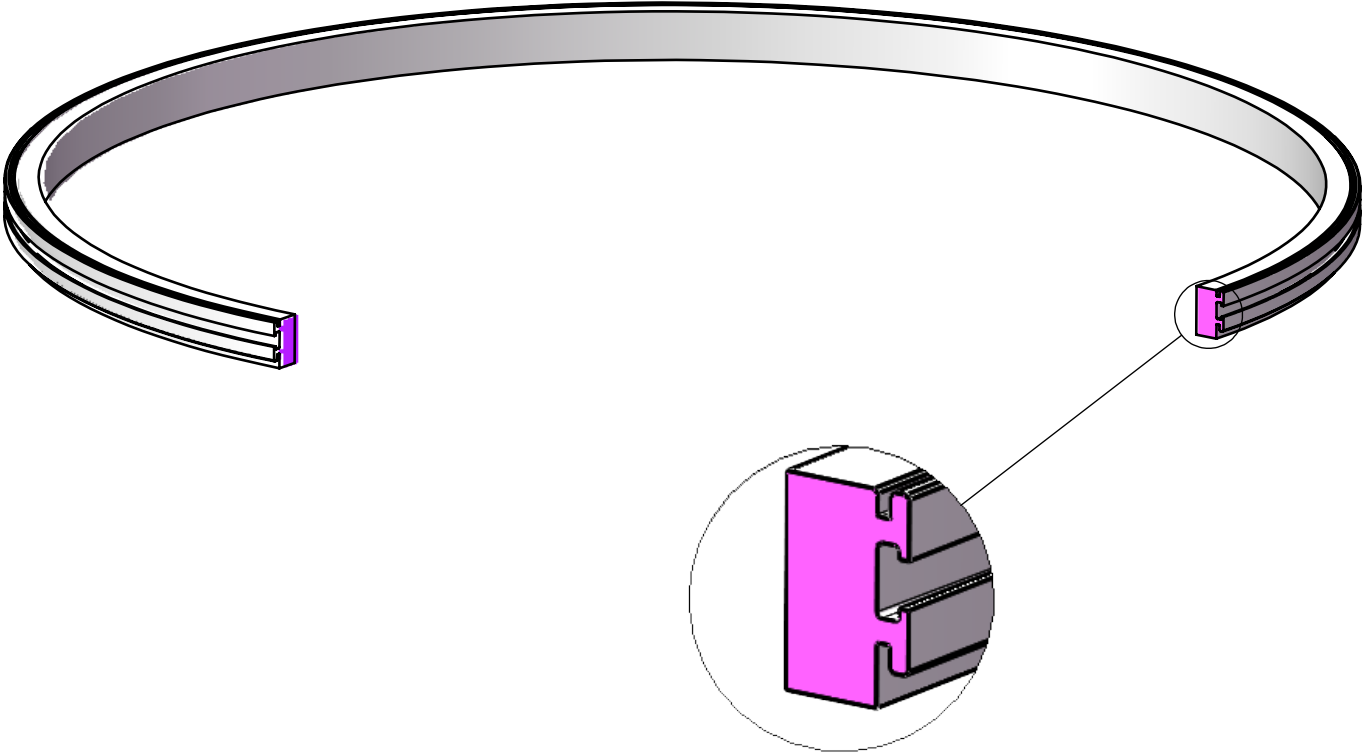
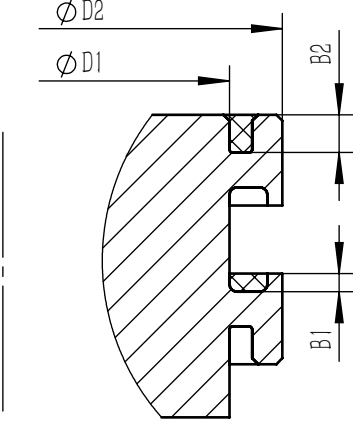
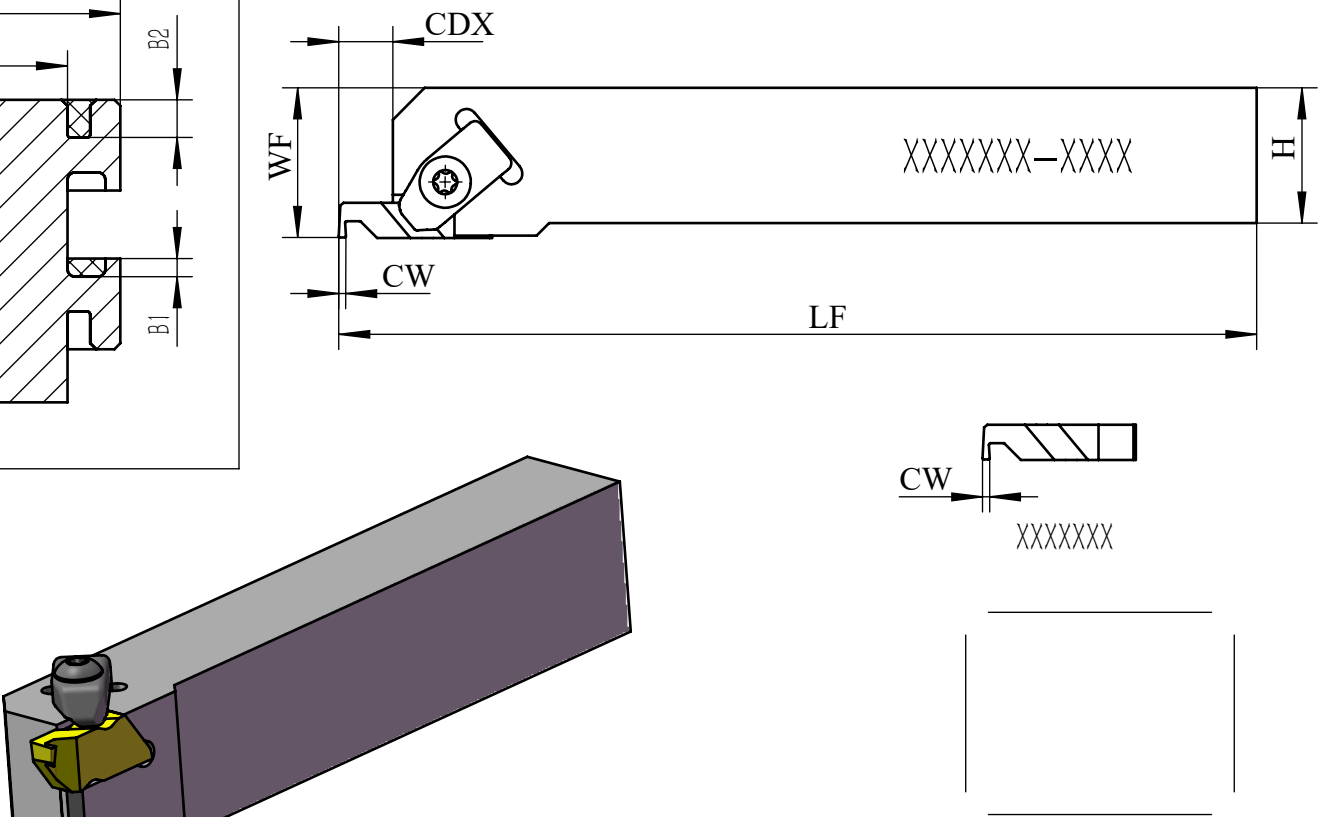
Пластина 2



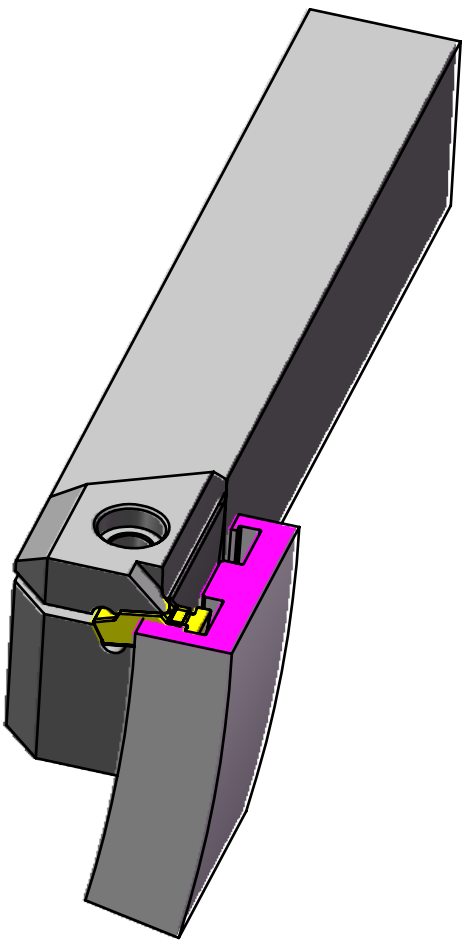
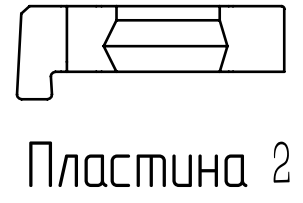
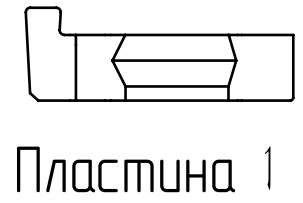
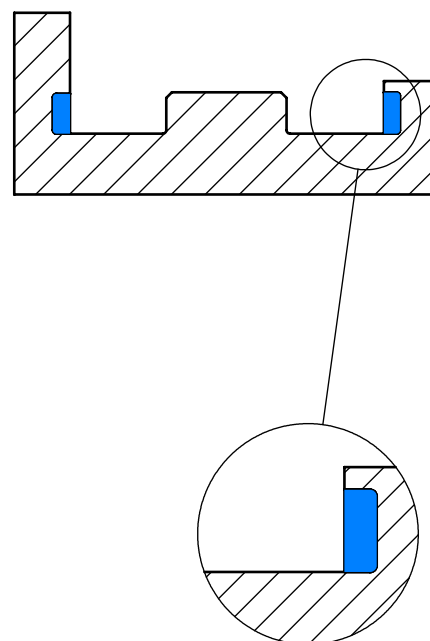
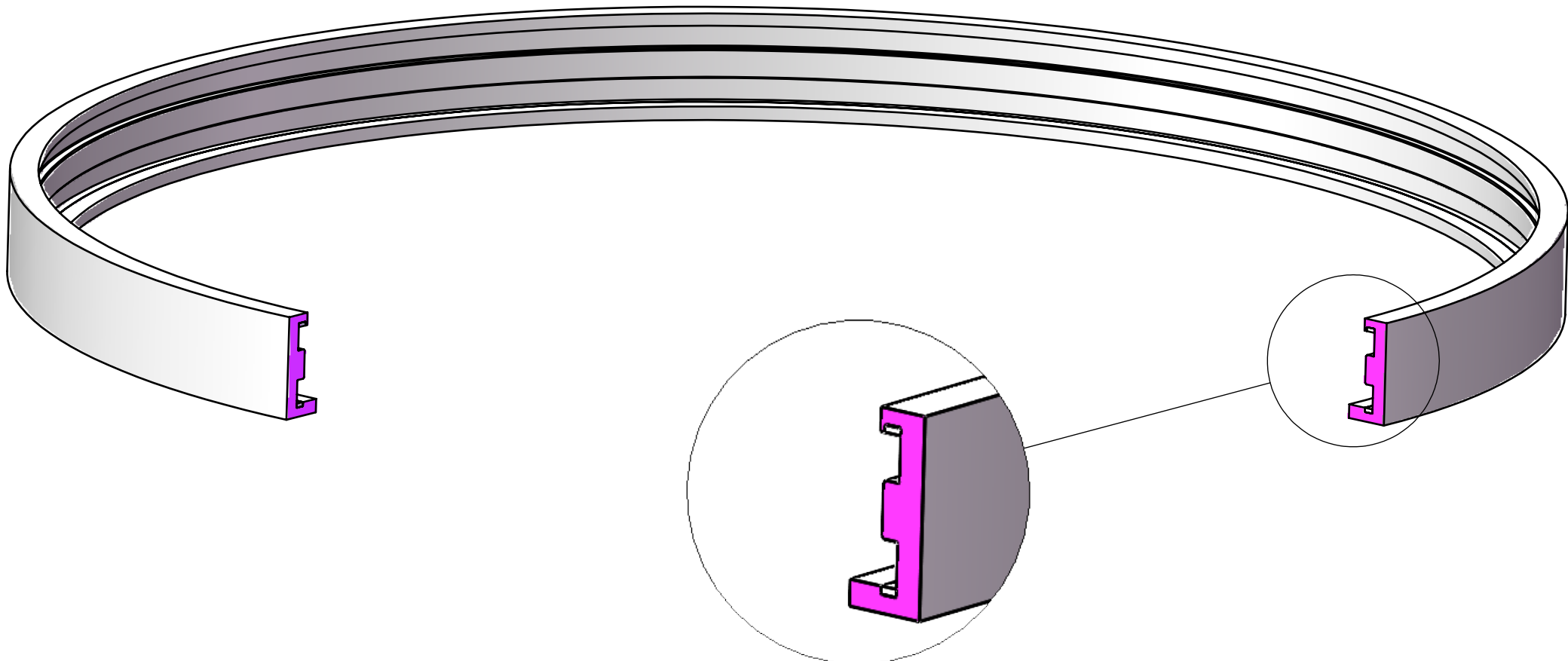
Пластина 3



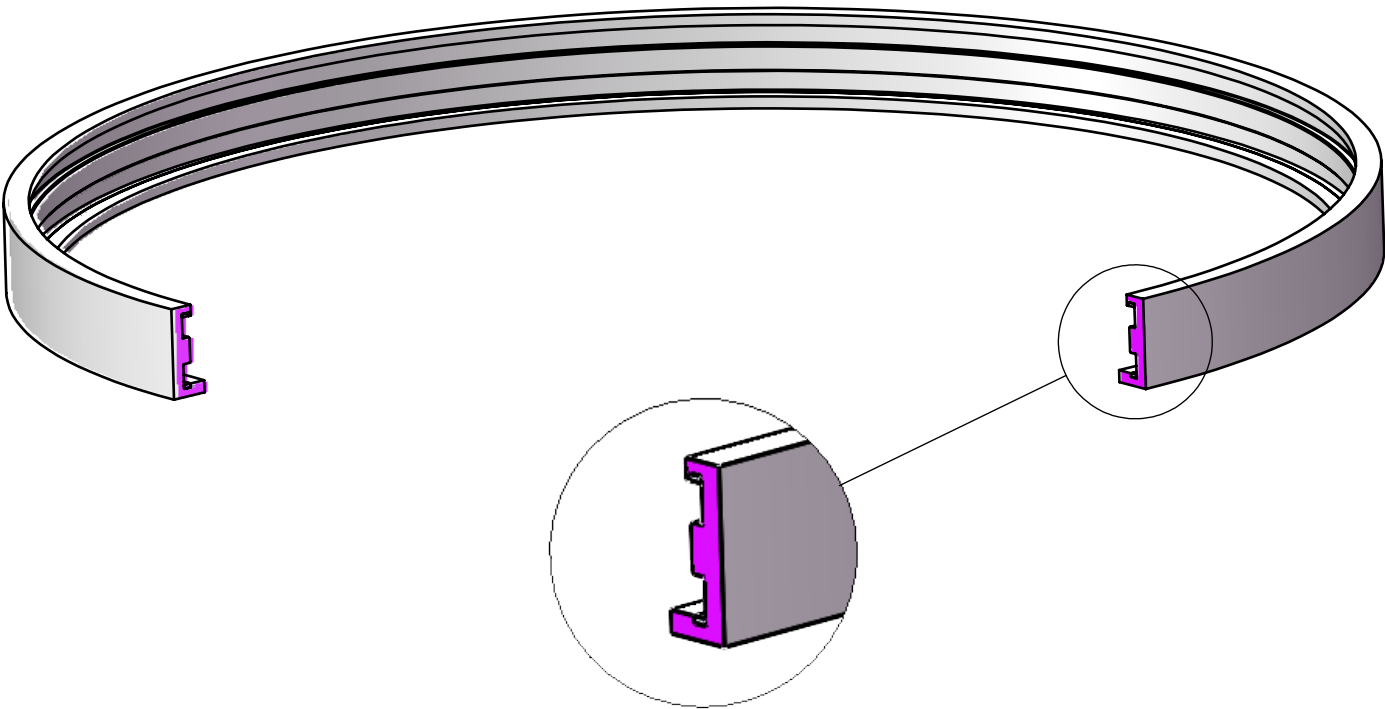
Пластина 4

Канавка 8	Технологический переход	Инструмент №1
		

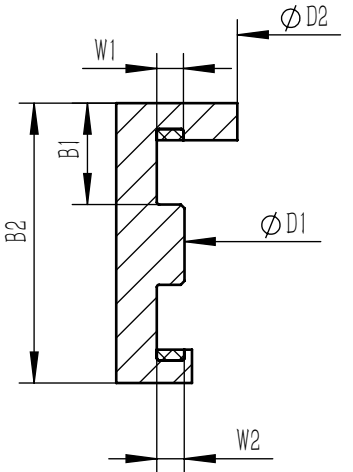
Кольцо
Канавка 9



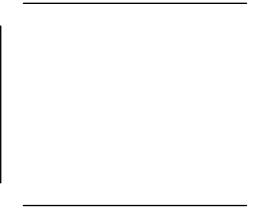
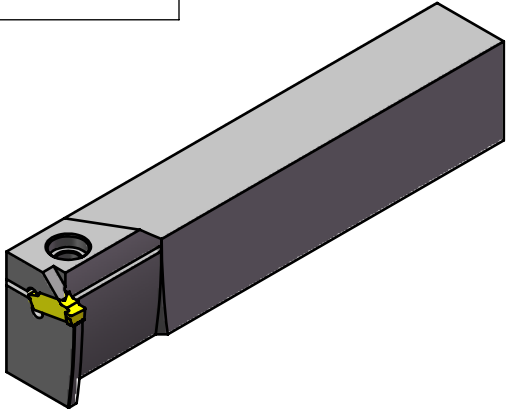
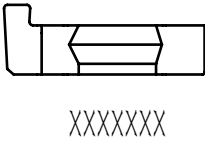
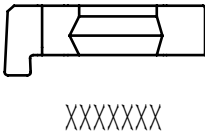
Канавка 9



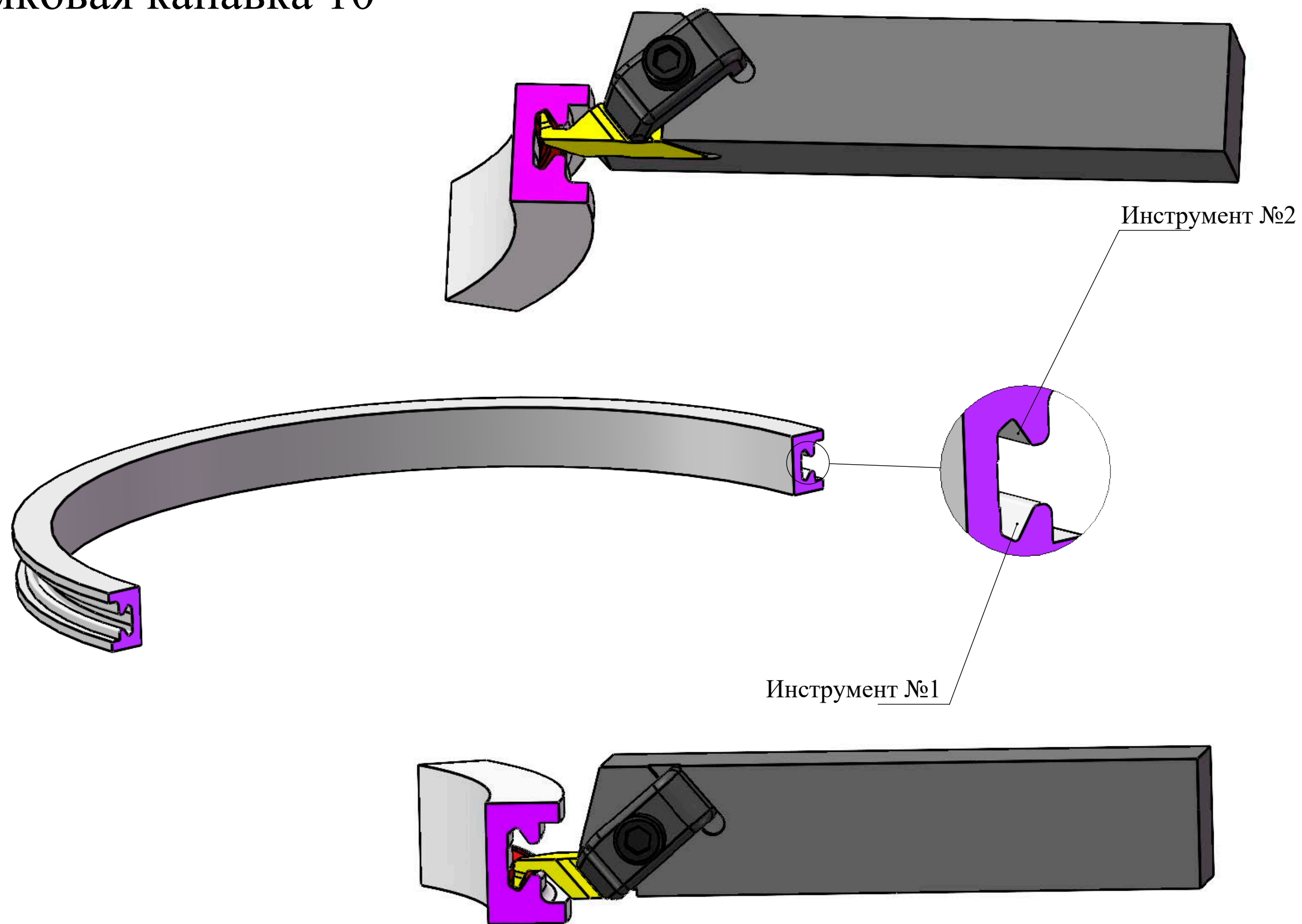
Технологический переход



Инструмент №1

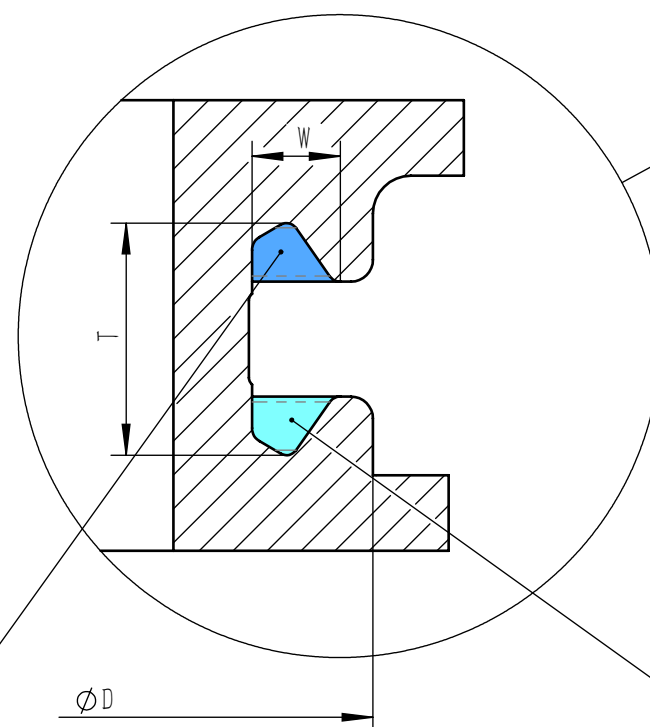
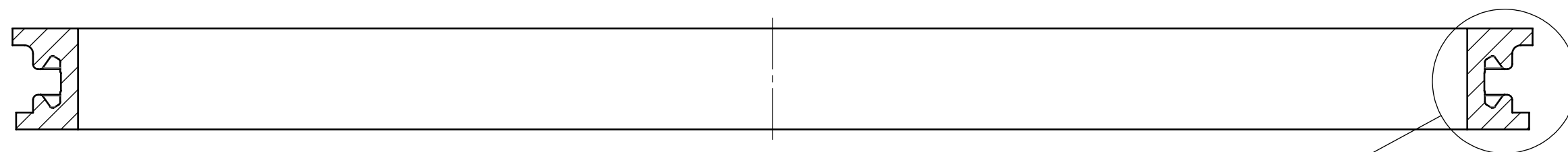


Замковая канавка 10



Примечание: Стандартная Призматическая державка

Замковая канавка 10



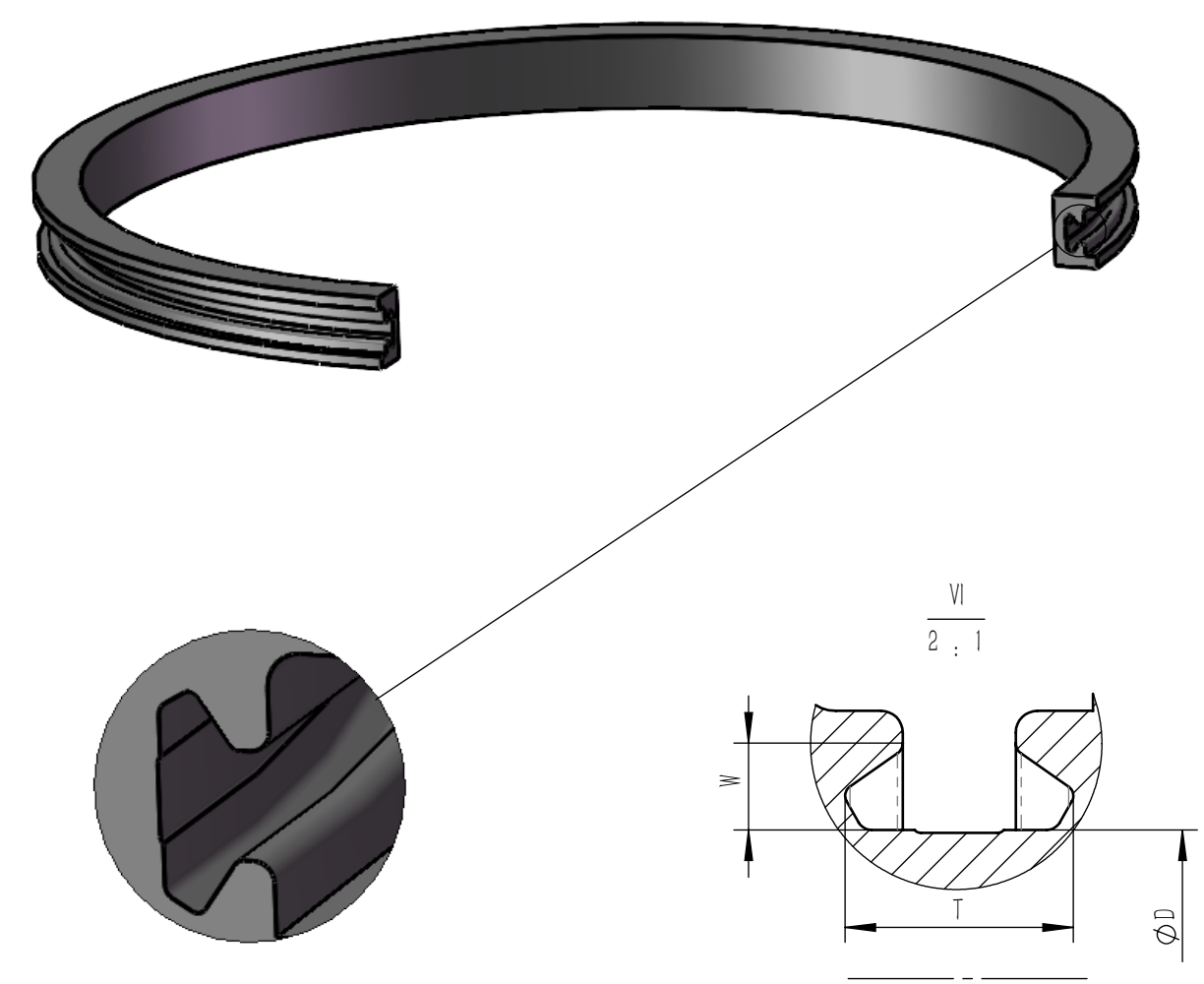
Инструмент №2

Инструмент №1

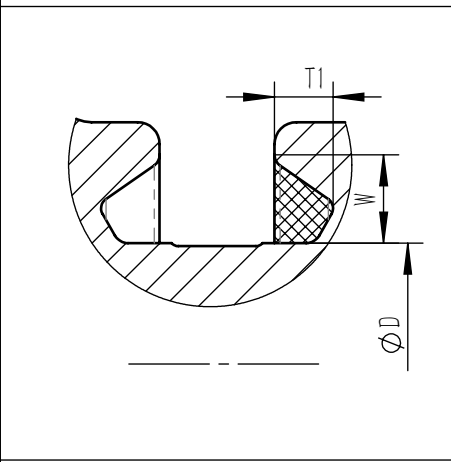


Примечание: Стандартная Призматическая державка

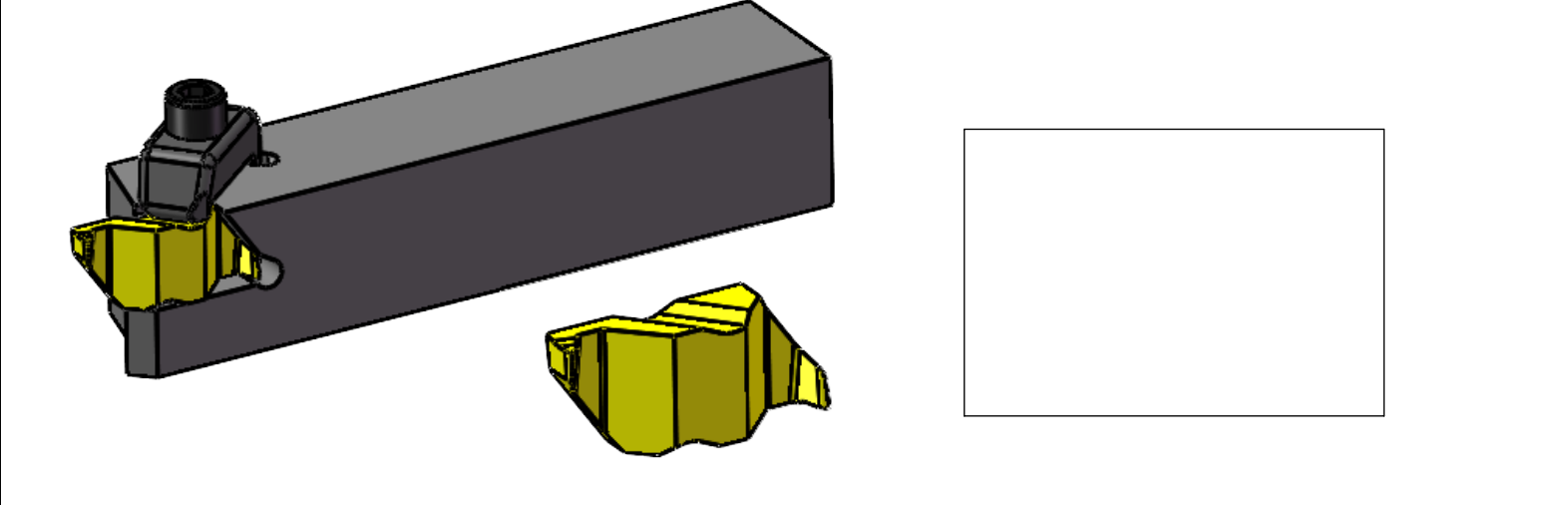
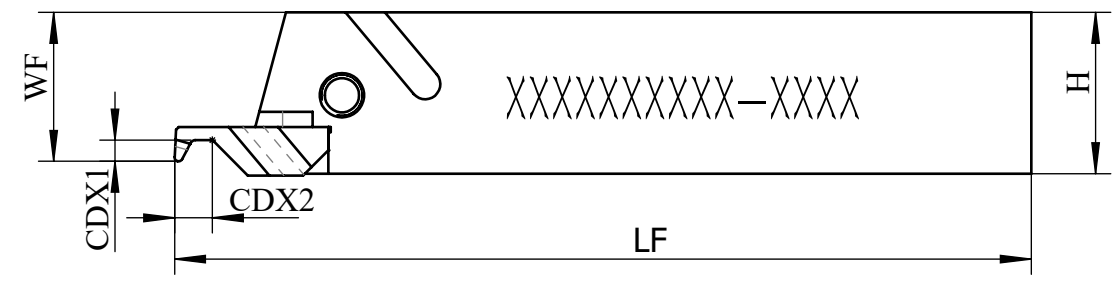
Замковая канавка 10



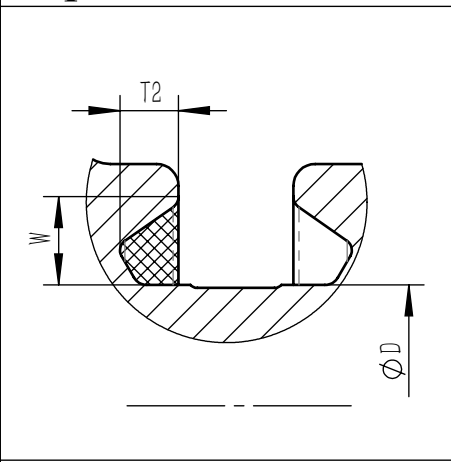
Технологический переход



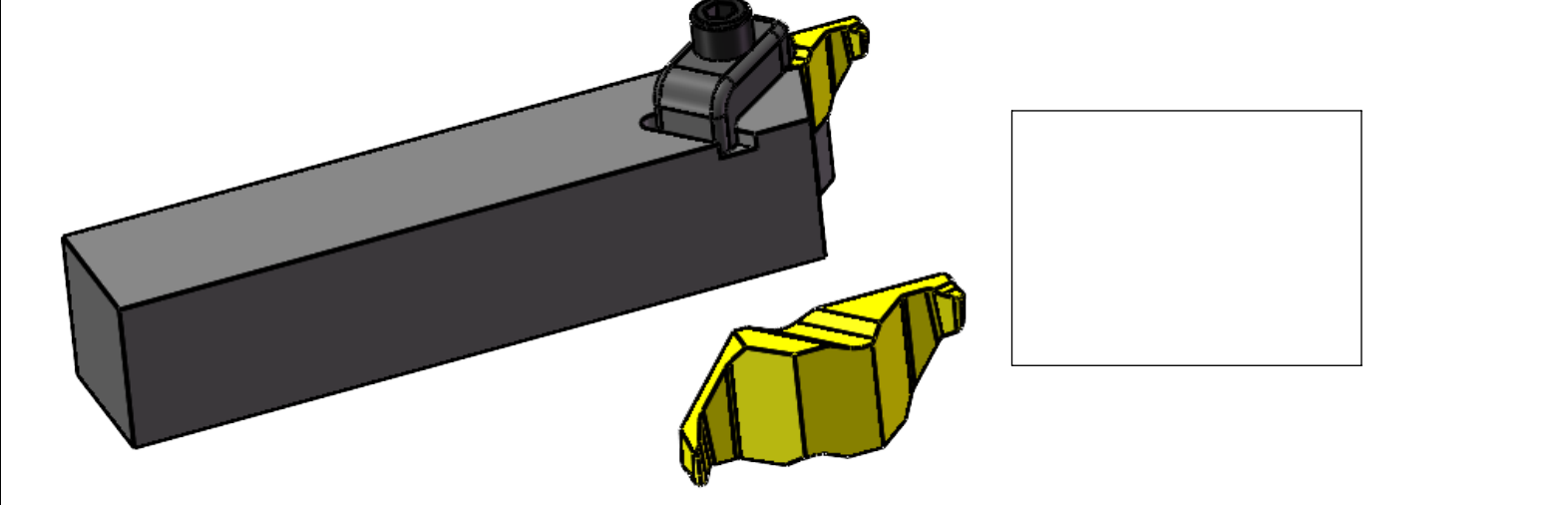
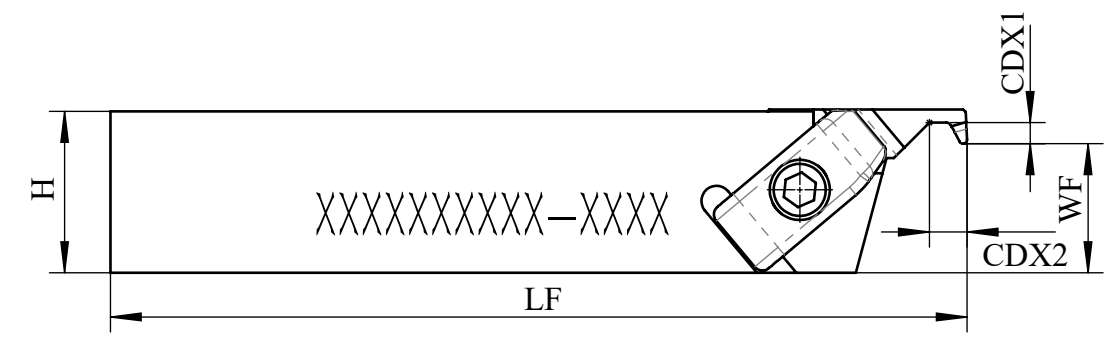
Инструмент №1



Технологический переход

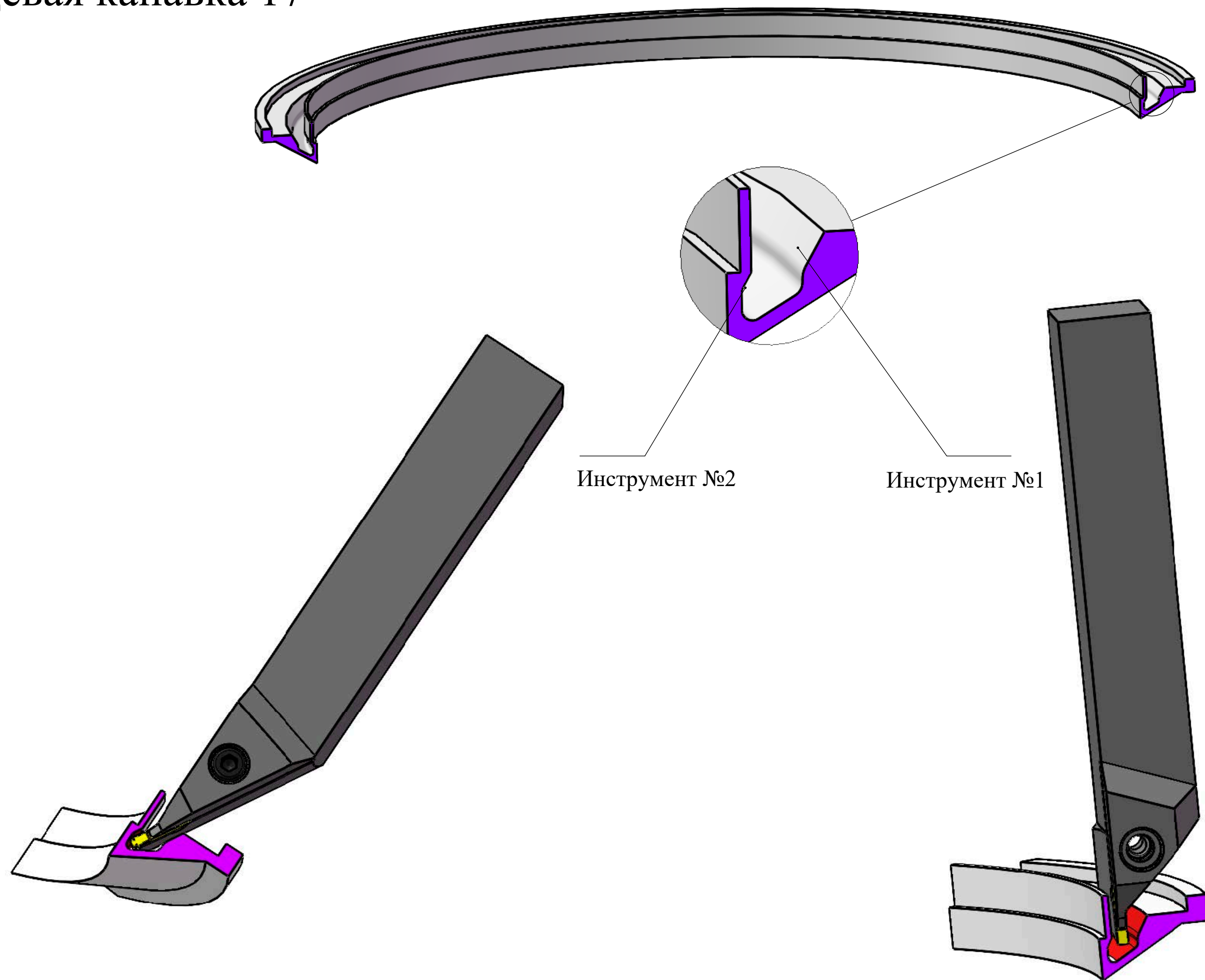


Инструмент №2

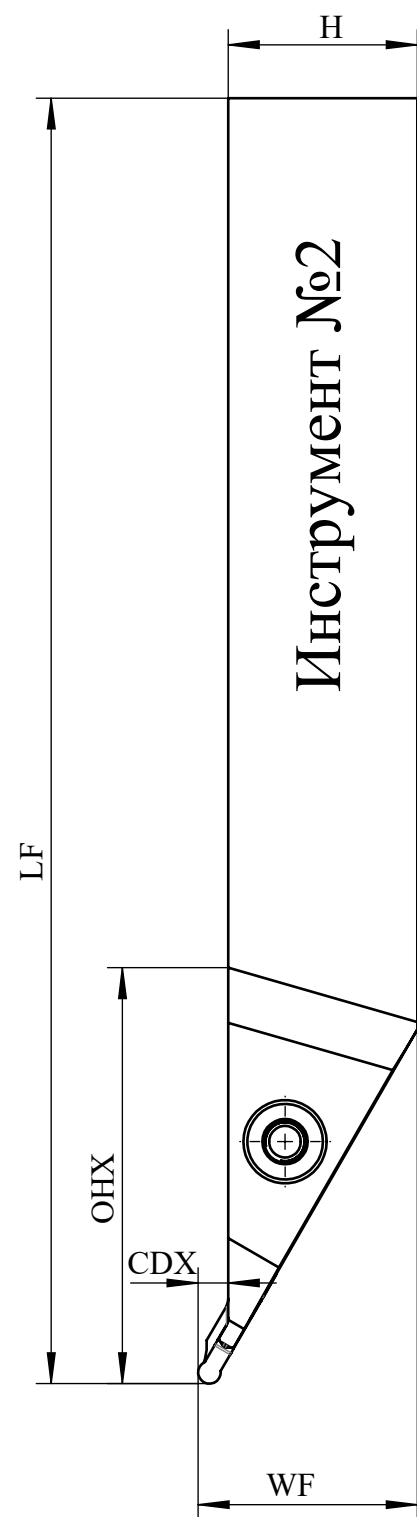
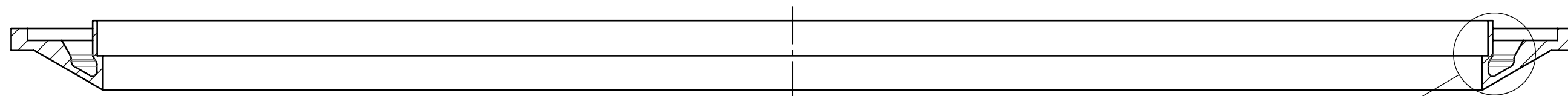


Элемент кольца

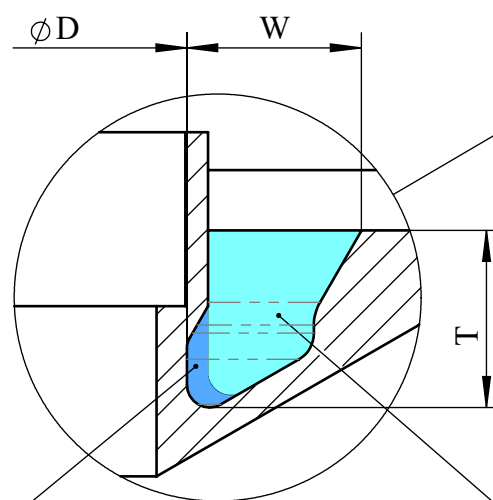
Торцевая канавка 17



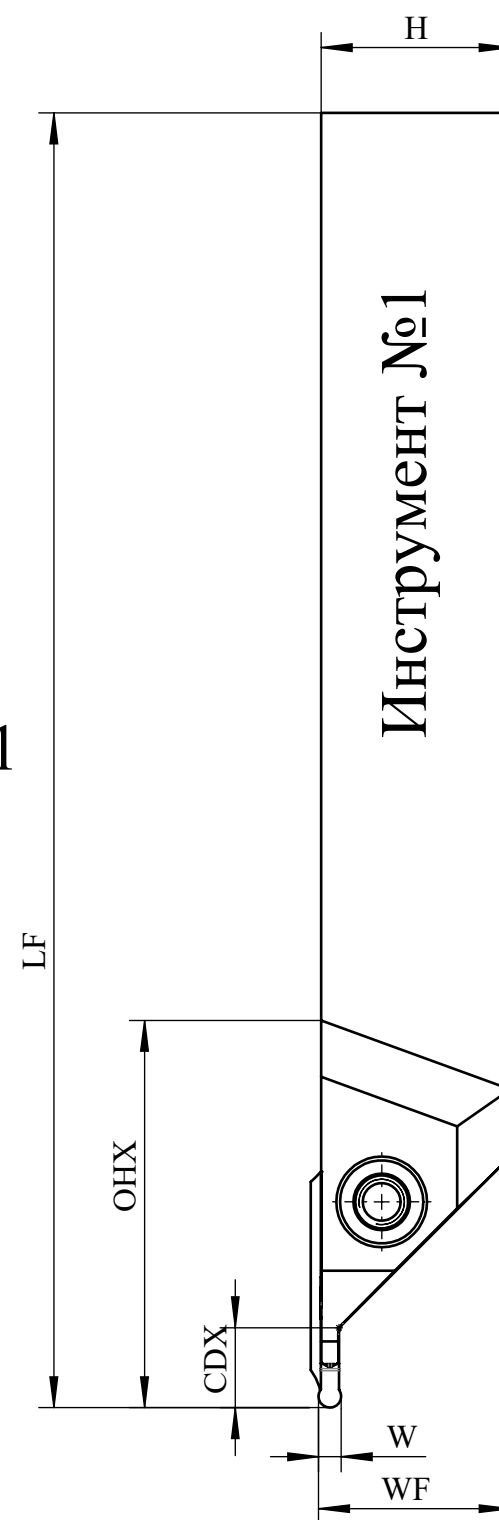
Торцевая канавка 17



Инструмент №2



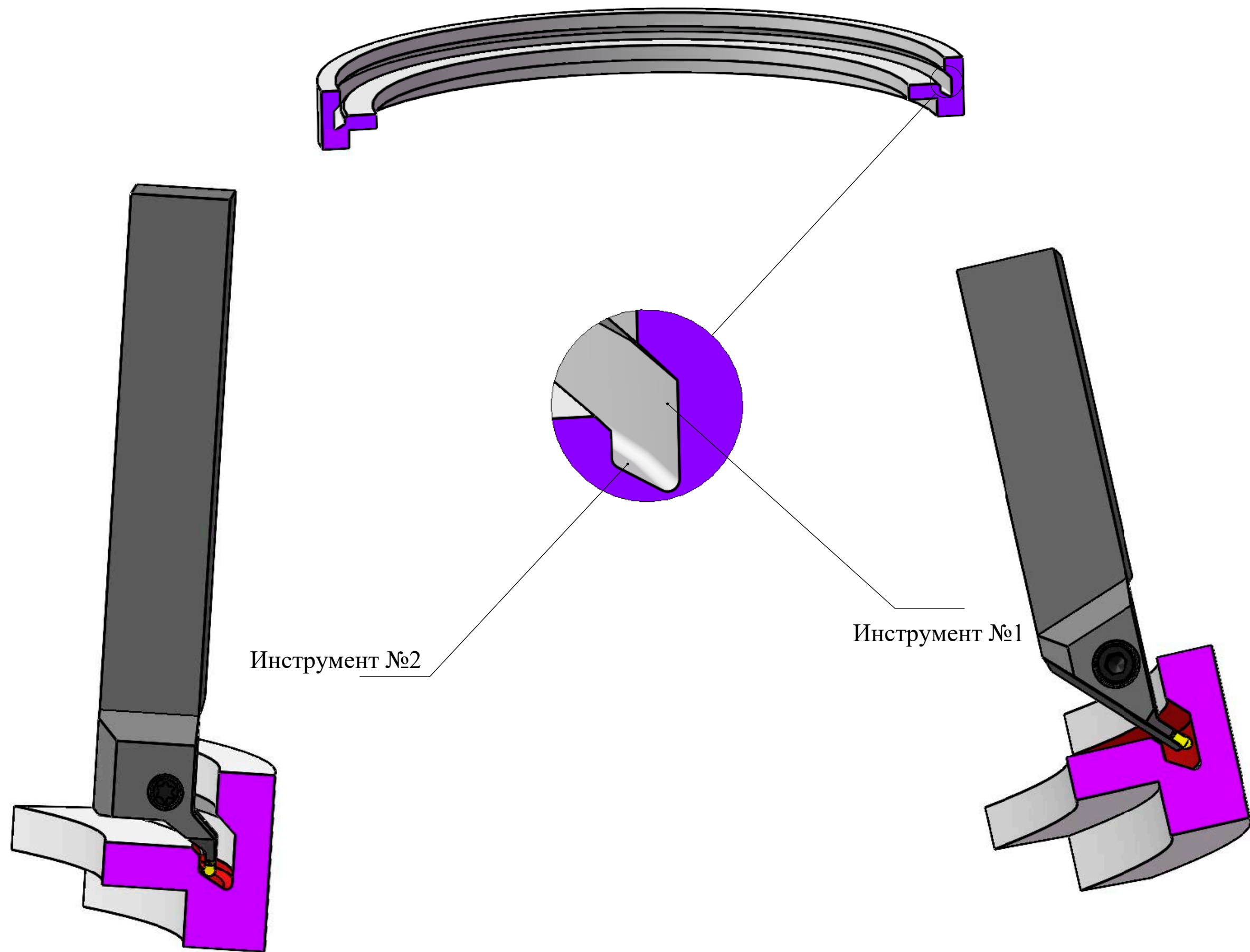
Инструмент №1



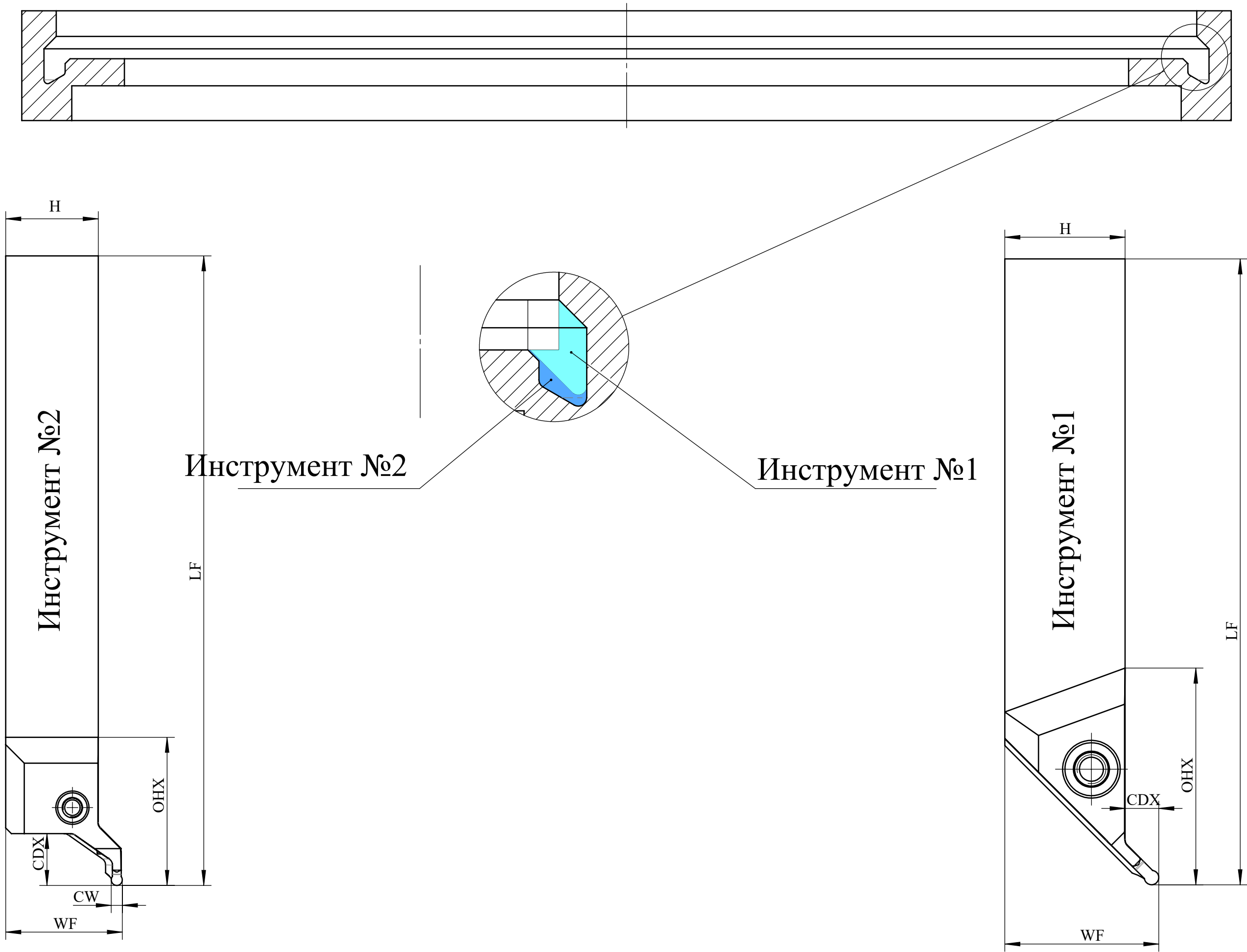
D W

Торцевая канавка 17	Технологический переход Пластина для предварительной обработки Пластина для чистовой обработки	Инструмент №1
	Технологический переход Пластина для предварительной обработки Пластина для чистовой обработки	Инструмент №2

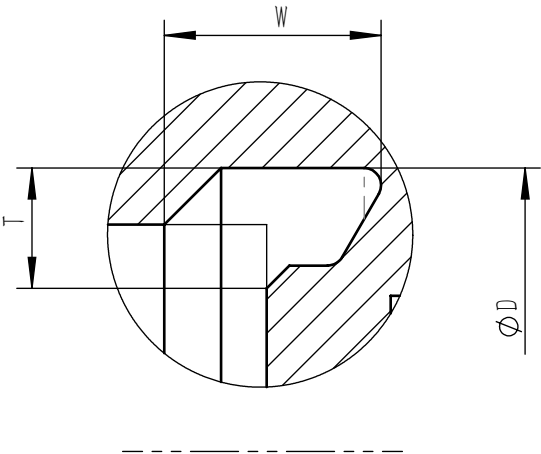
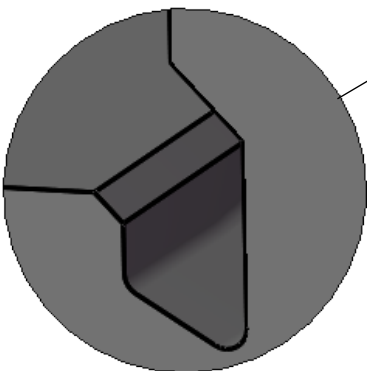
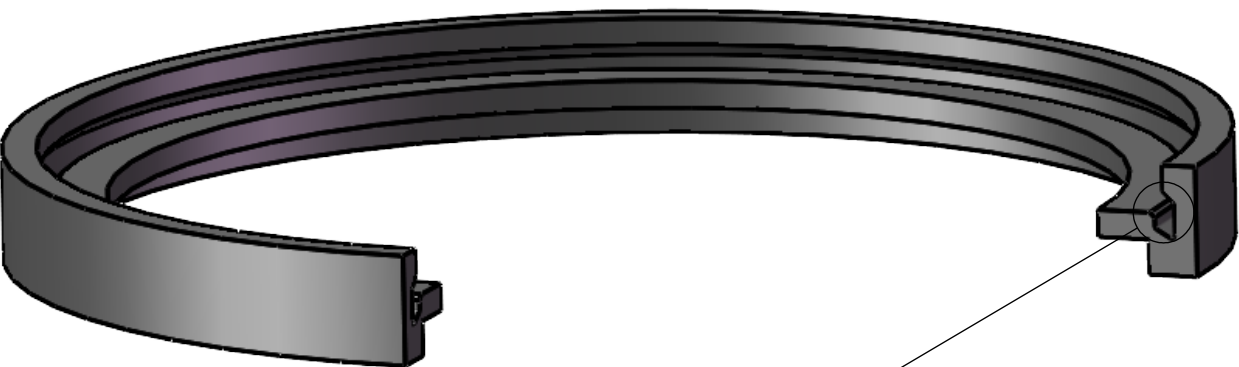
Торцевая канавка 17-2



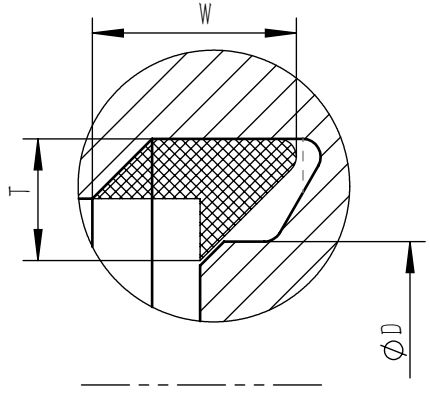
Элемент диска Торцевая канавка 17-2



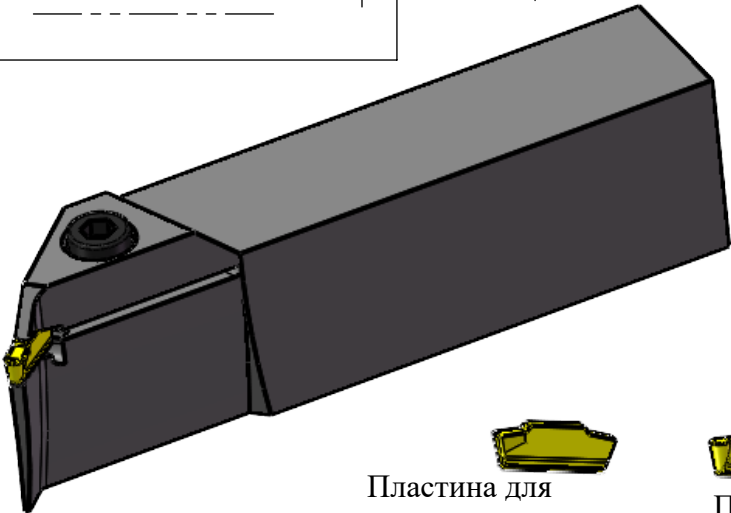
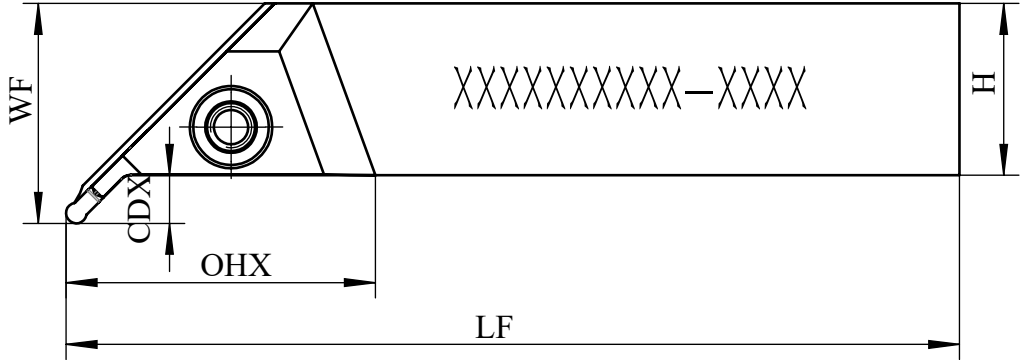
Торцевая канавка 17-2



Технологический переход



Инструмент №1



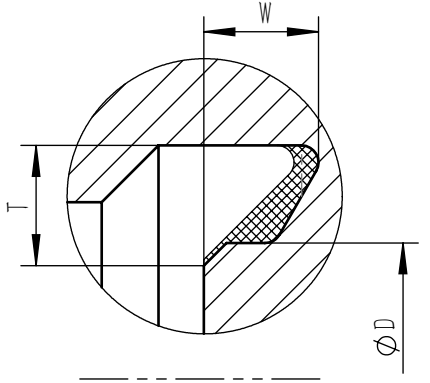
Пластина для предварительной обработки



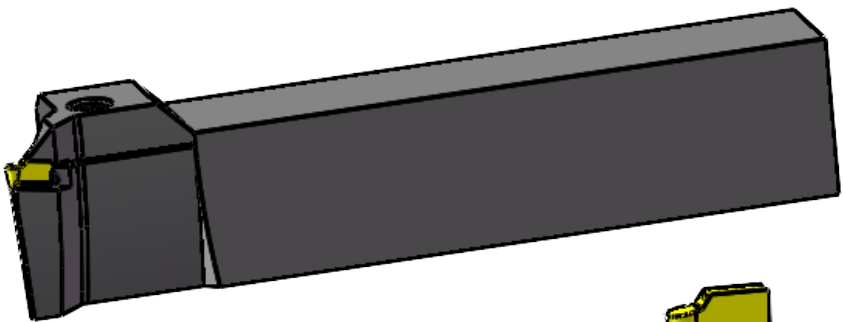
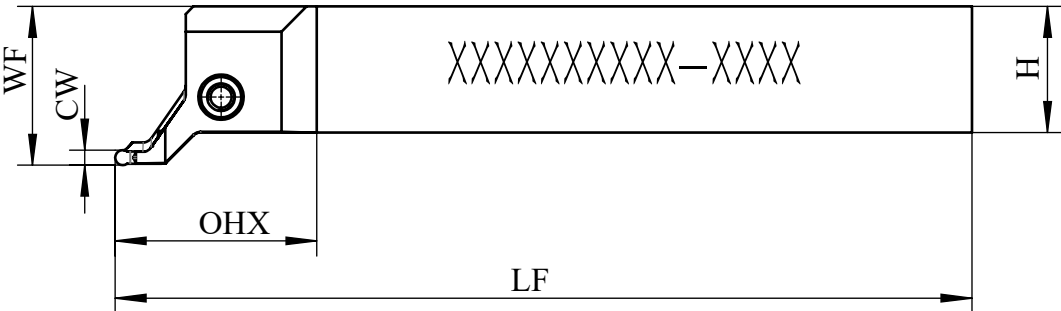
Пластина для чистовой обработки



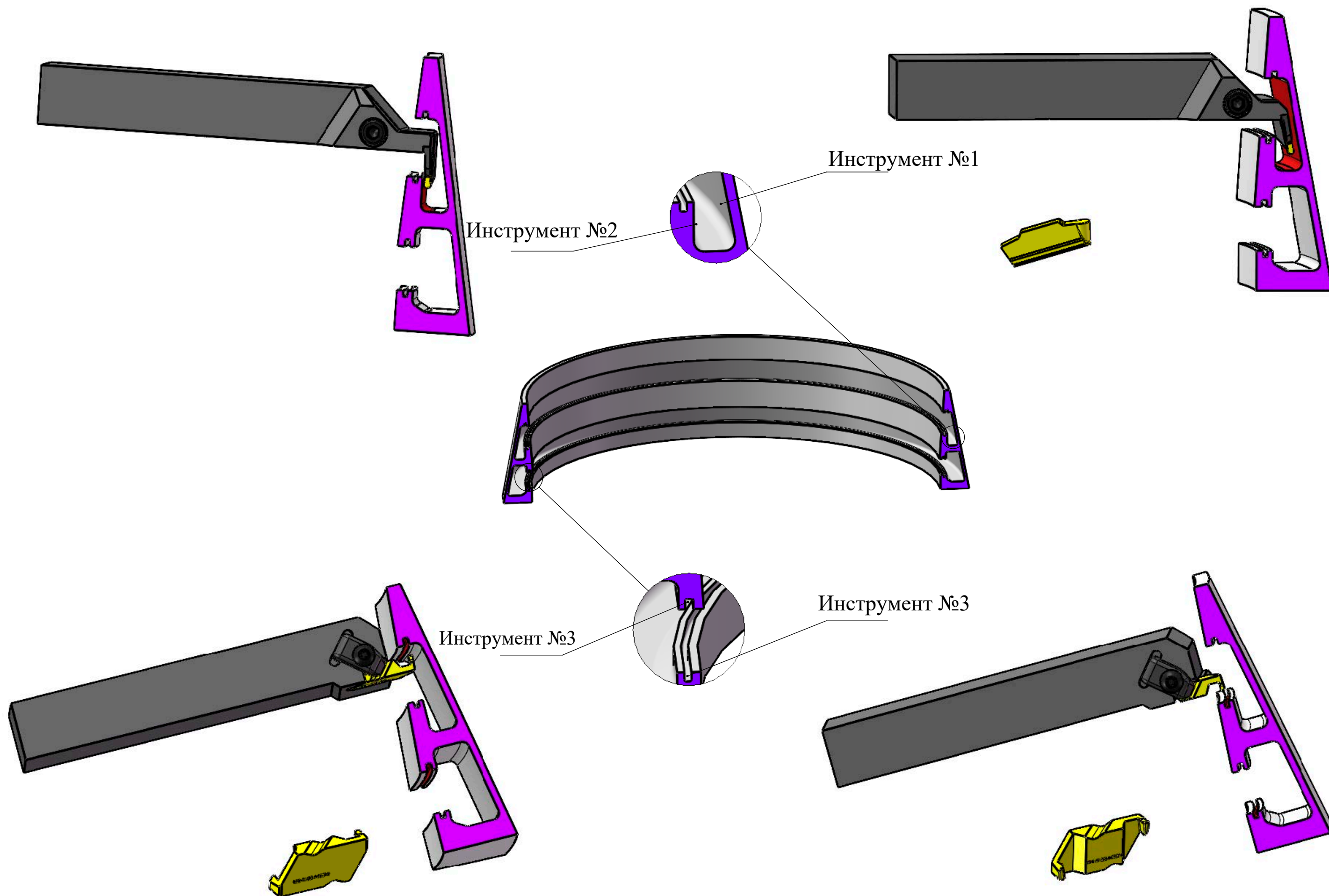
Технологический переход



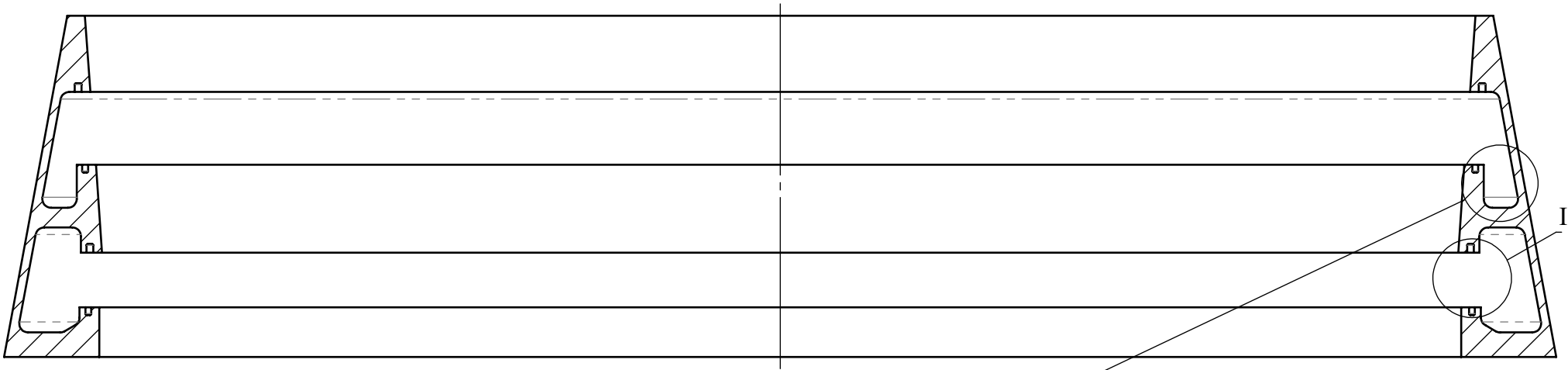
Инструмент №2



Охлаждаемая обойма 18

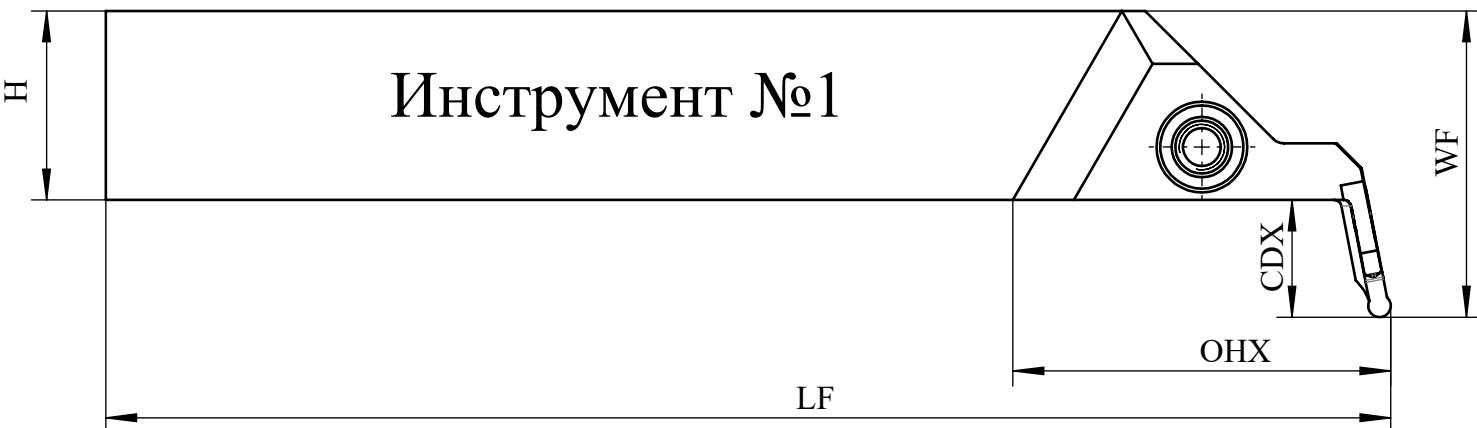
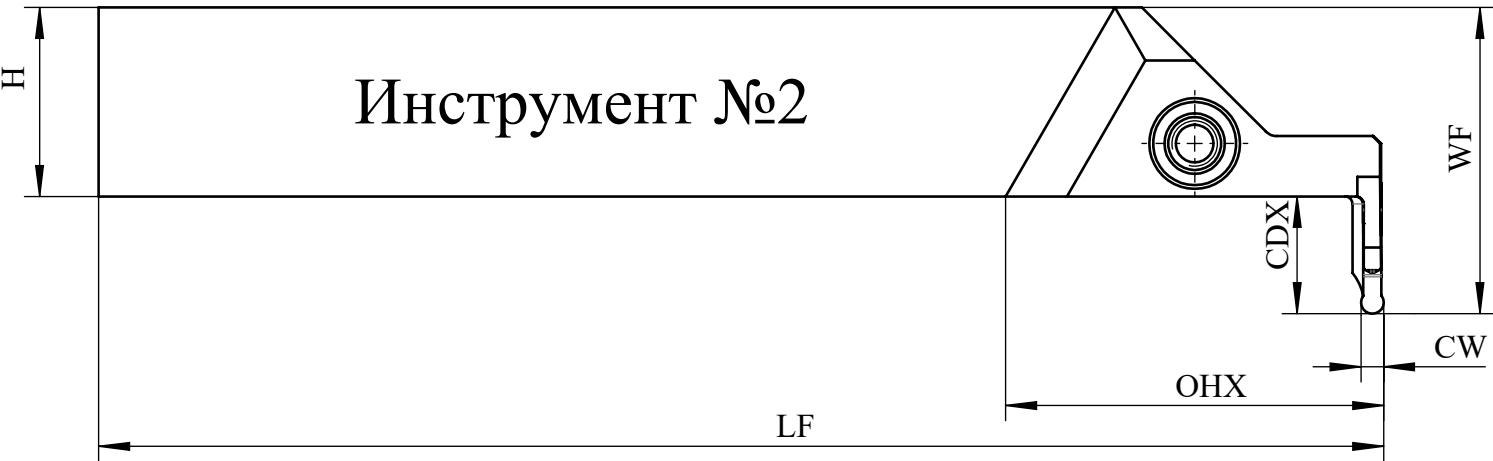


Канавка 18



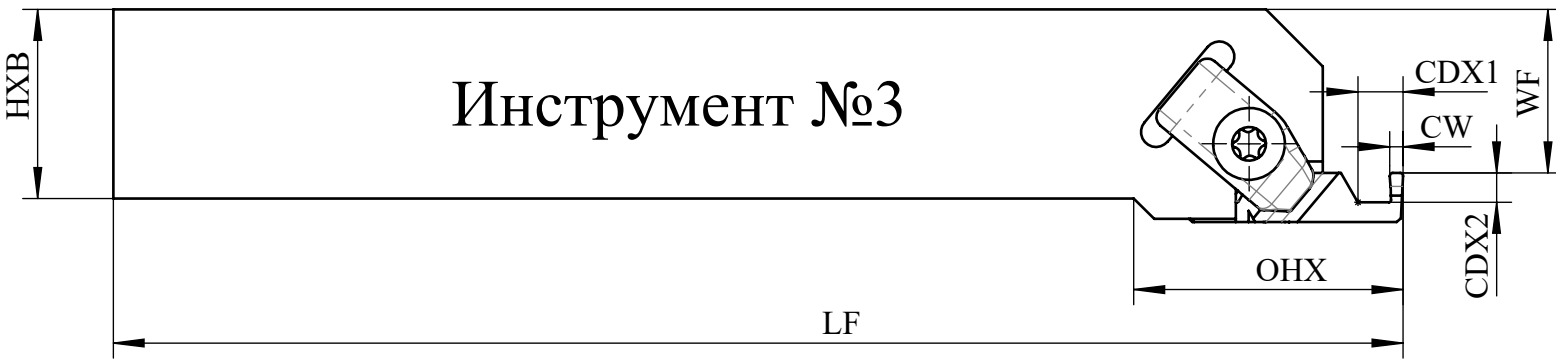
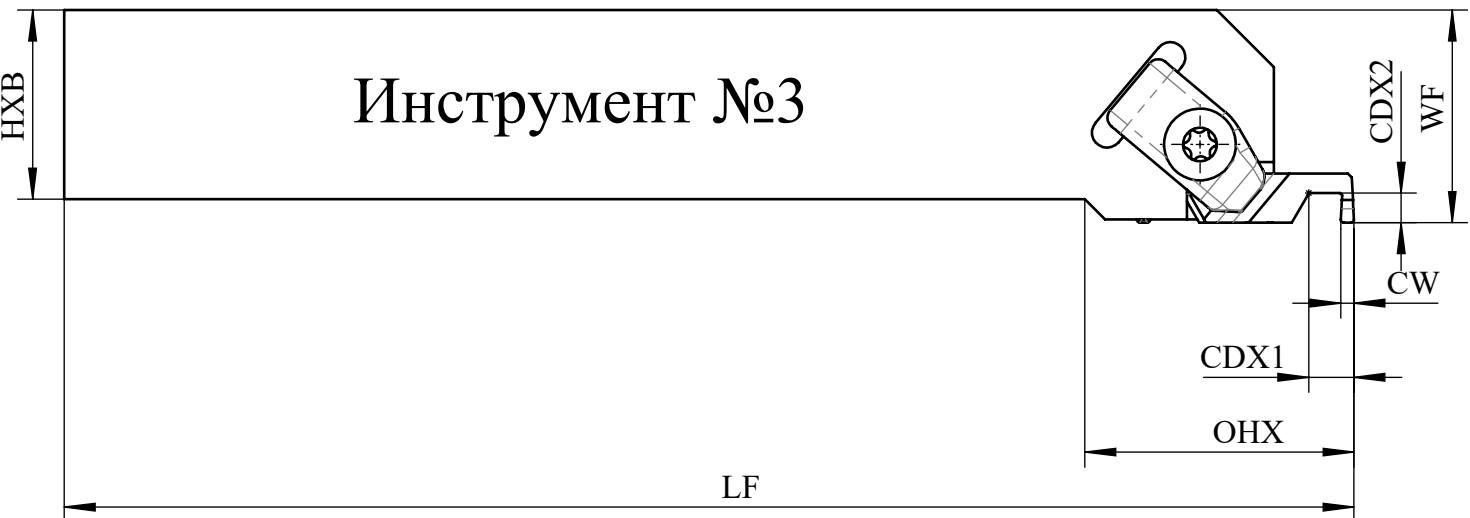
Инструмент №2

Инструмент №1

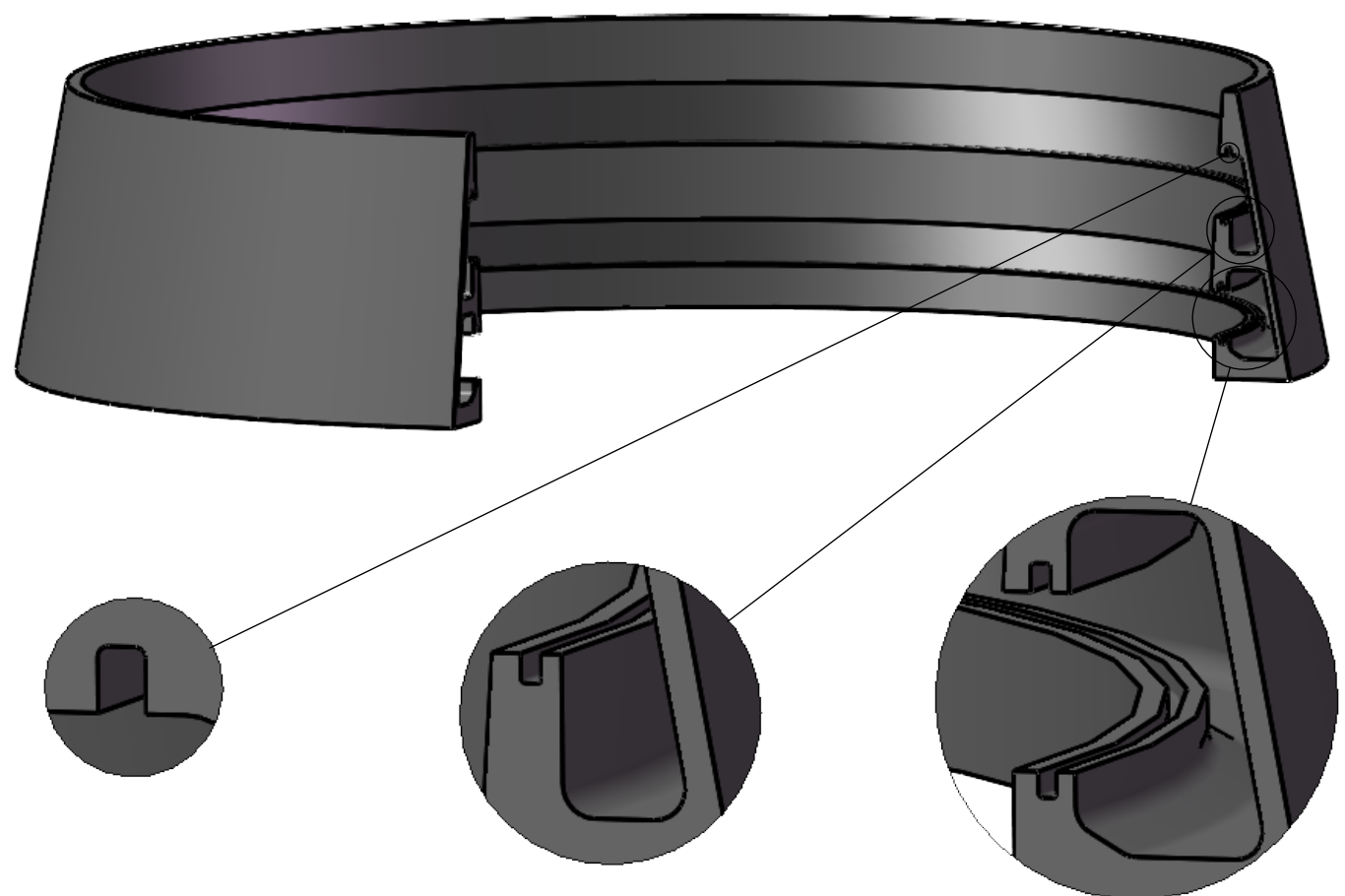


Инструмент №3

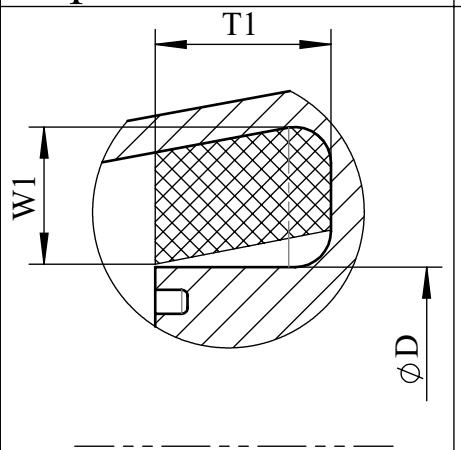
Инструмент №3



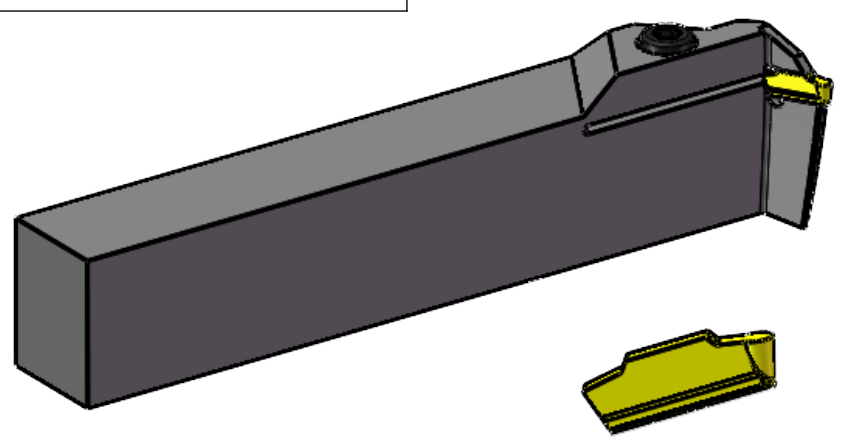
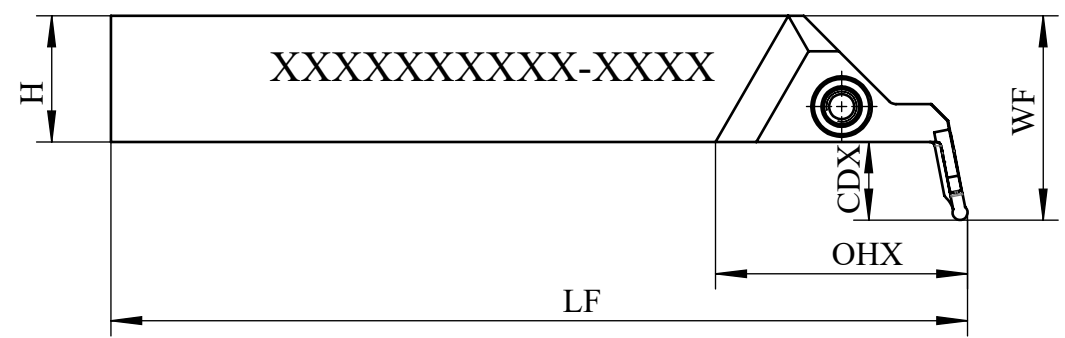
Канавка 18



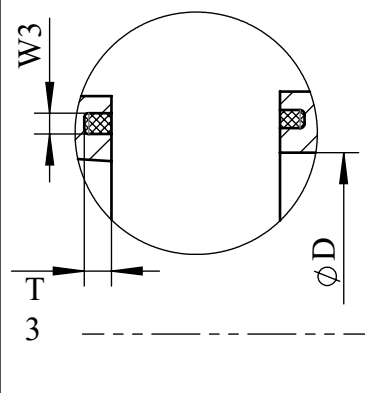
Технологический переход



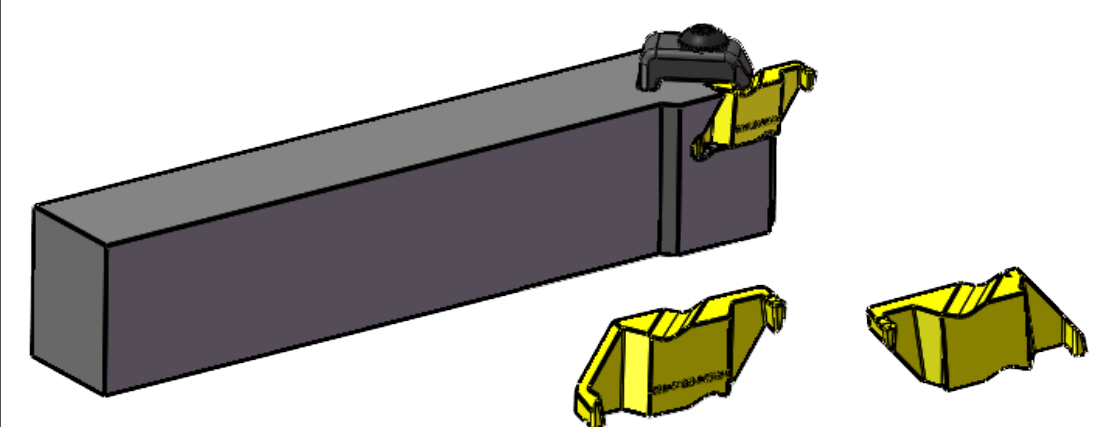
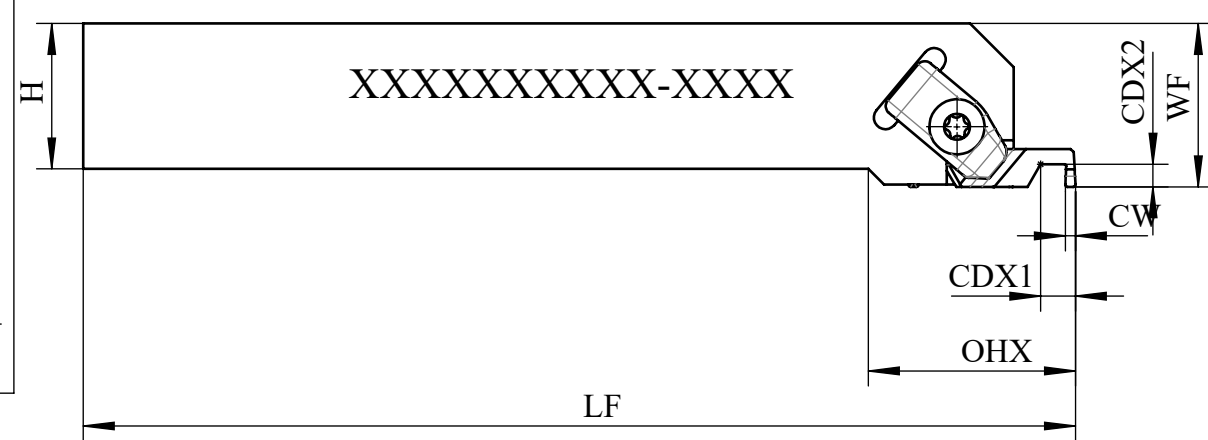
Инструмент №1



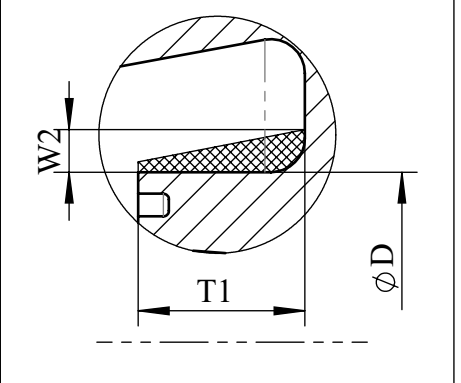
Технологический переход



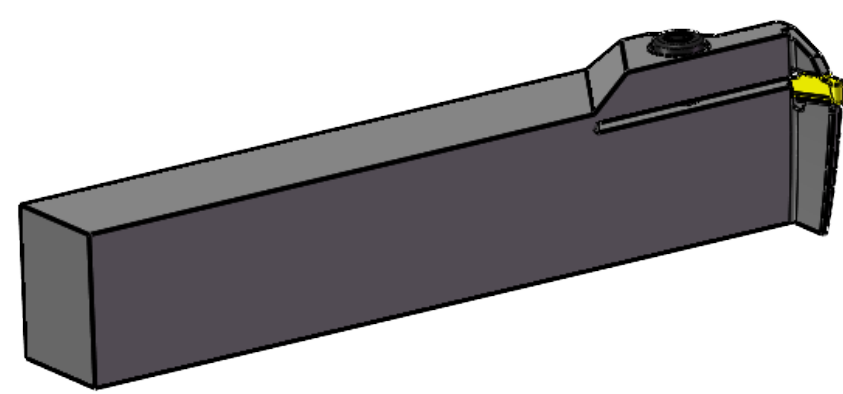
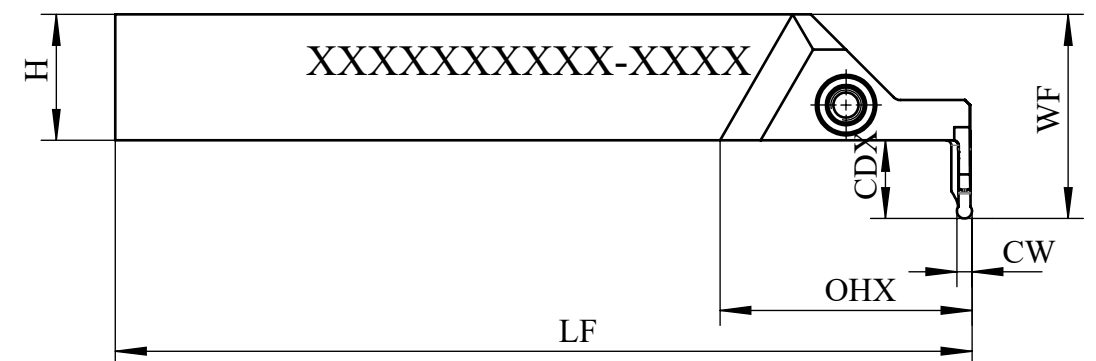
Инструмент №3



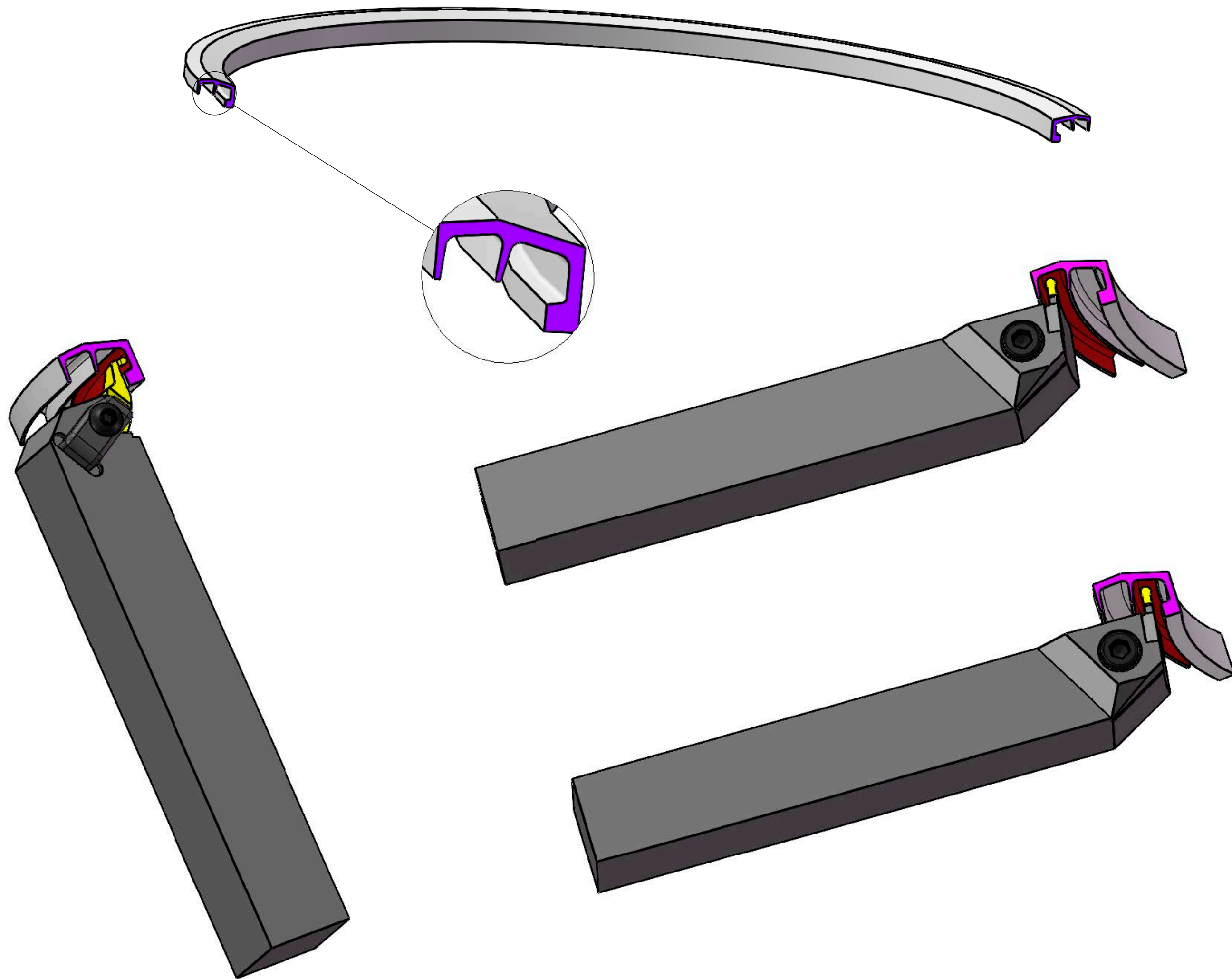
Технологический переход



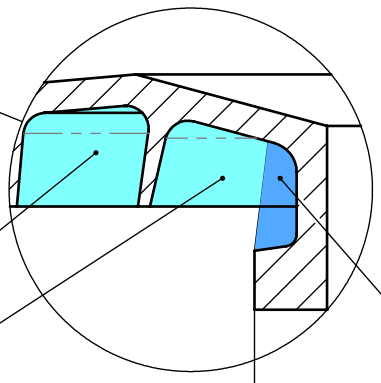
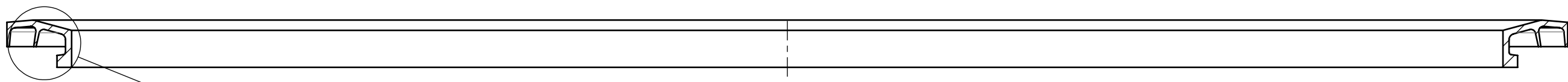
Инструмент №2



Канавка 19



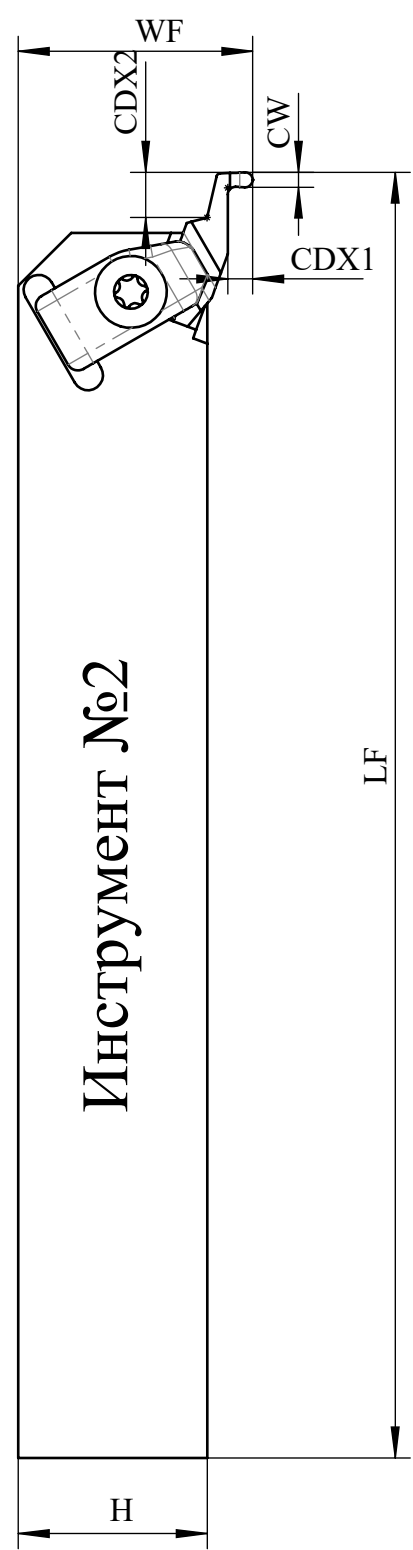
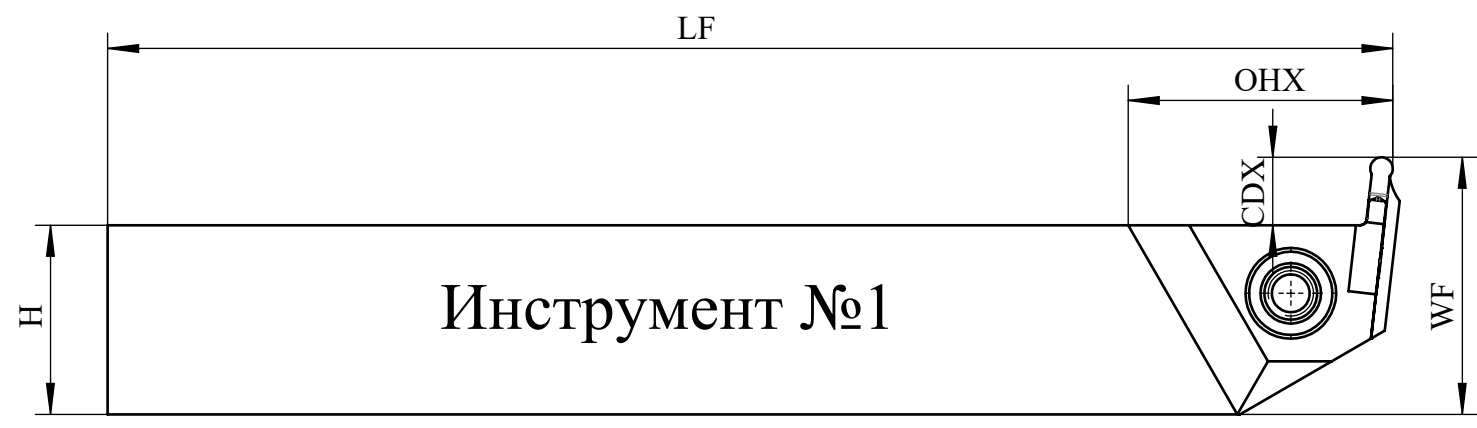
Кольцо
Торцевая канавка 19



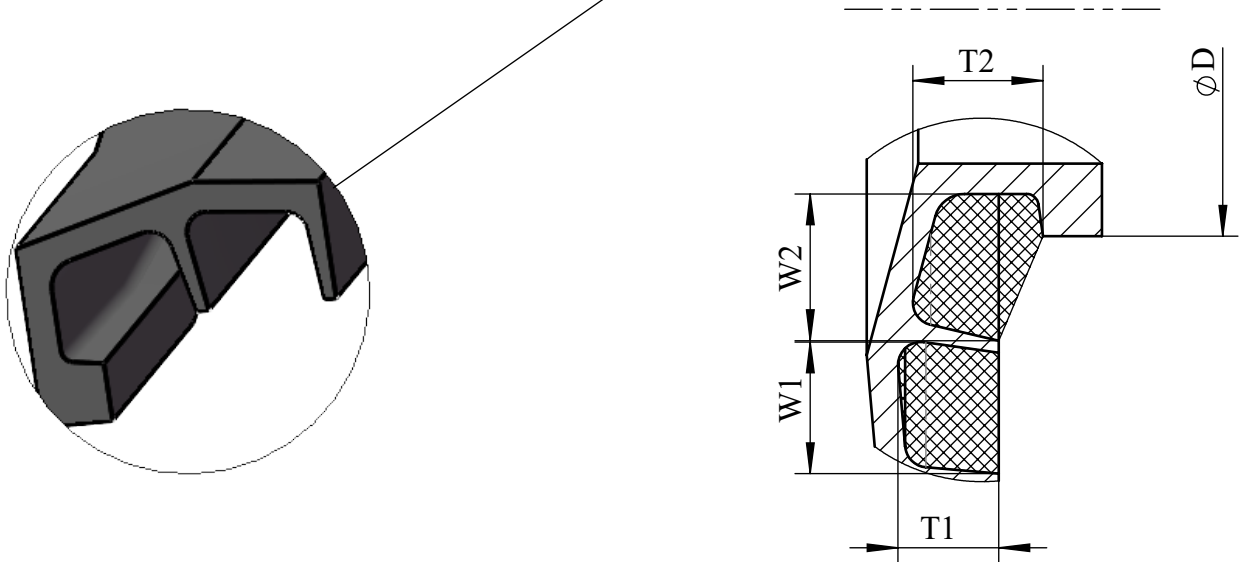
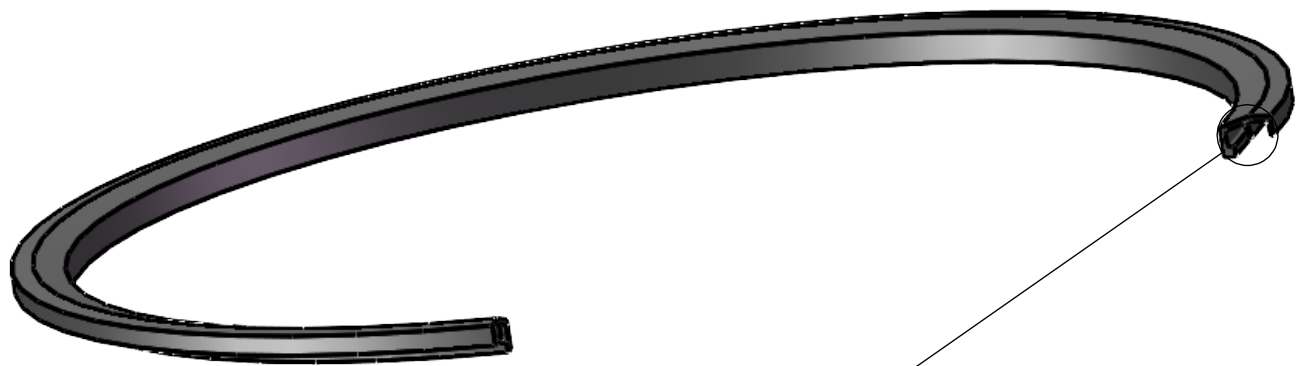
ϕD

Инструмент №1

Инструмент №2

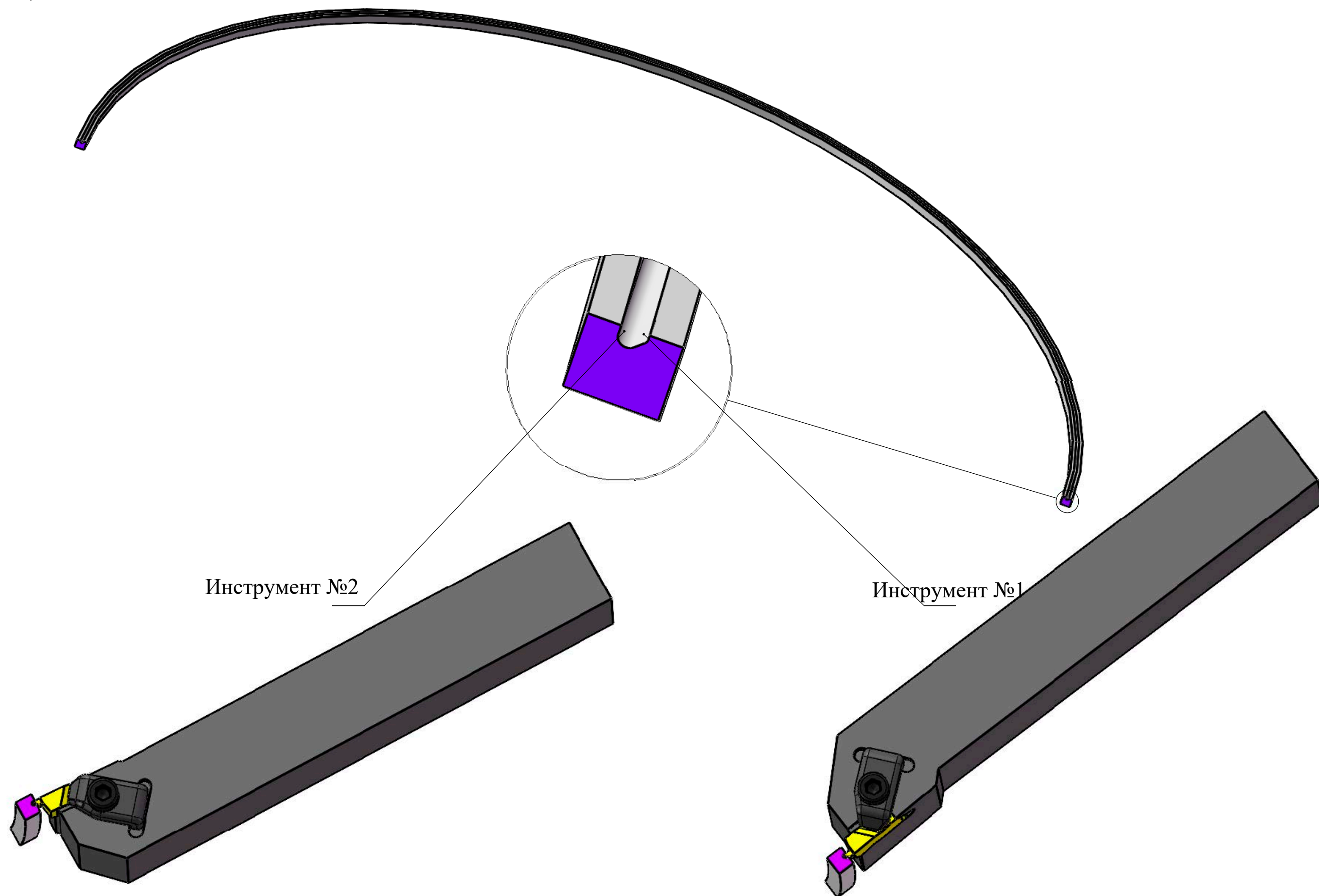


Торцевая канавка 19

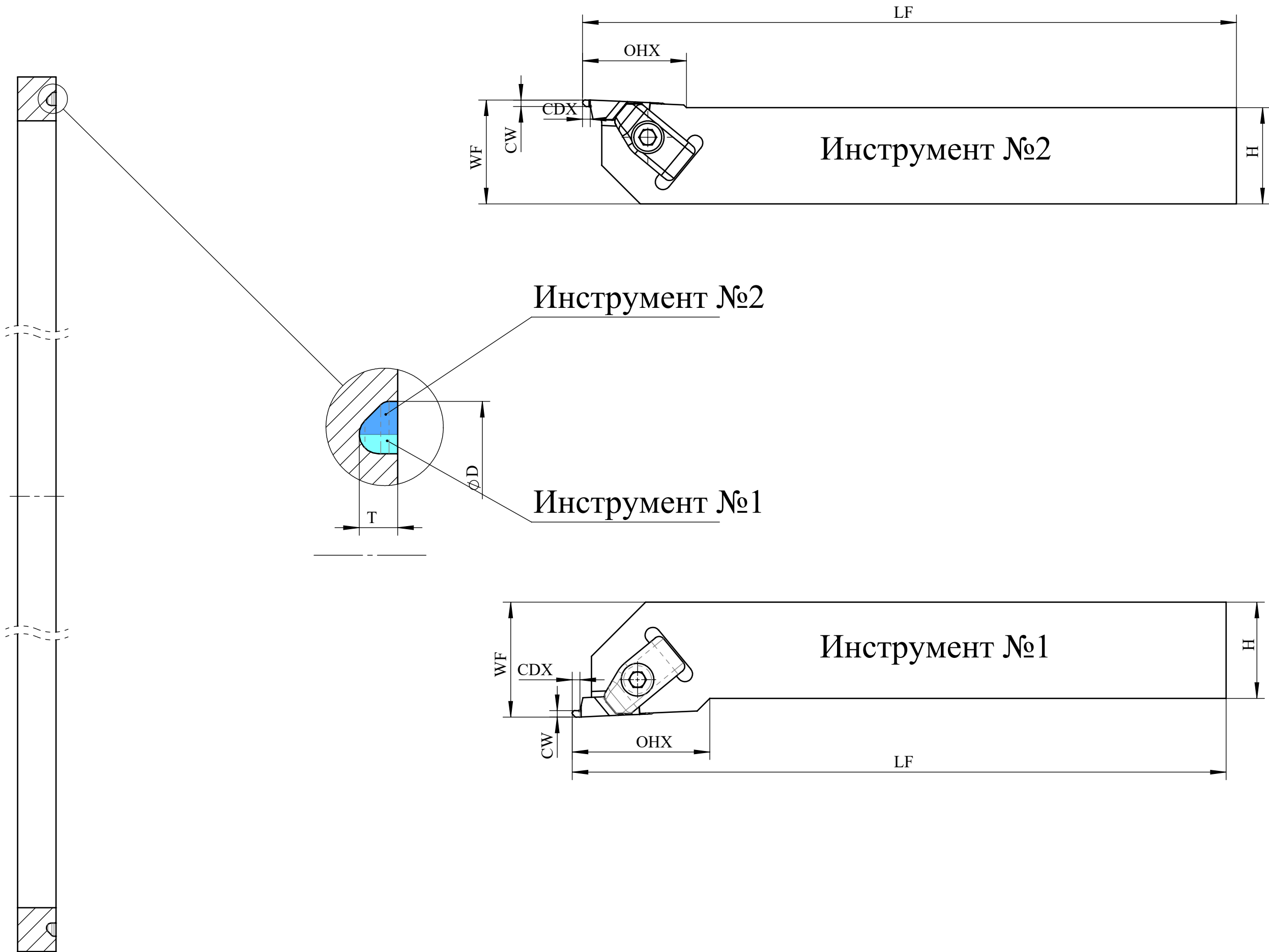


Технологический переход		Инструмент №1	
		Технологический переход	
		Инструмент №2	

Кольцо Канавка 20

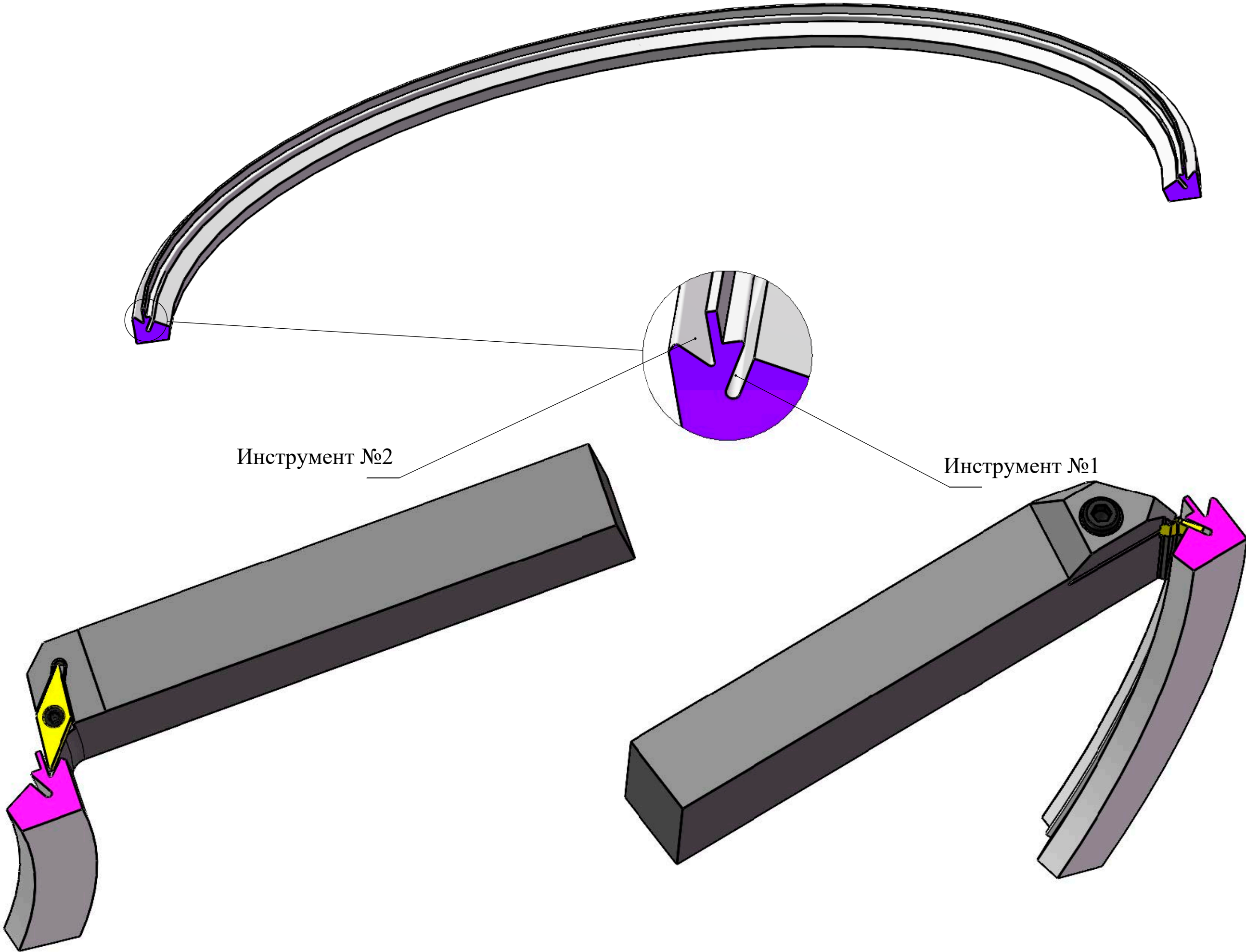


Канавка 20

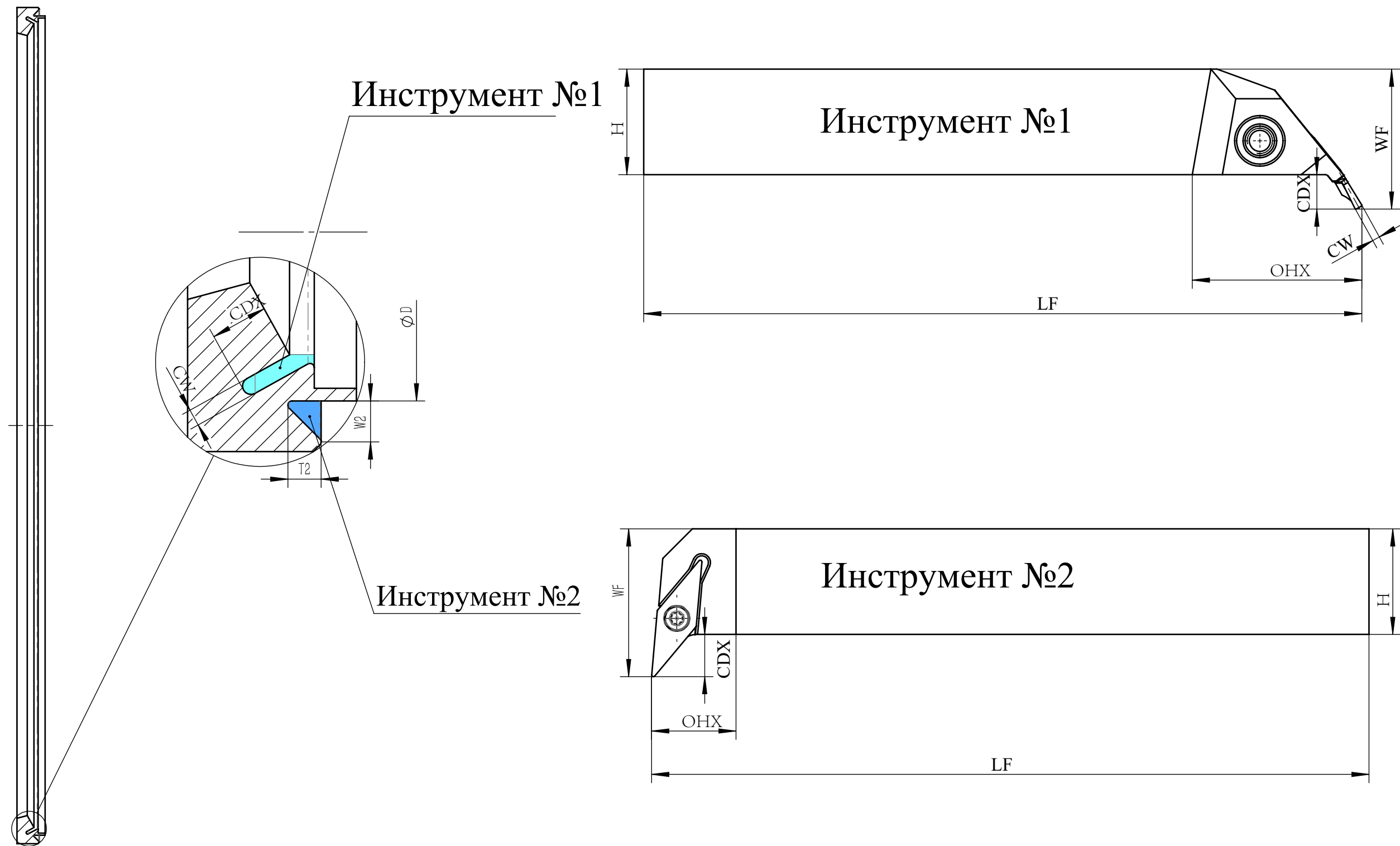


Канавка 20	<table> <tr> <th data-bbox="1484 0 1905 142">Технологический переход</th><th data-bbox="1905 0 2968 142">Инструмент №1</th></tr> <tr> <td data-bbox="1484 142 1905 567"> </td><td data-bbox="1905 142 2968 567"> </td></tr> <tr> <td data-bbox="1484 567 1905 1050"> </td><td data-bbox="1905 567 2968 1050"> </td></tr> <tr> <td data-bbox="1484 1050 1905 1192">Технологический переход</td><td data-bbox="1905 1050 2968 1192">Инструмент №2</td></tr> <tr> <td data-bbox="1484 1192 1905 1617"> </td><td data-bbox="1905 1192 2968 1617"> </td></tr> <tr> <td data-bbox="1484 1617 1905 2100"> </td><td data-bbox="1905 1617 2968 2100"> </td></tr> </table>	Технологический переход	Инструмент №1					Технологический переход	Инструмент №2				
Технологический переход	Инструмент №1												
Технологический переход	Инструмент №2												

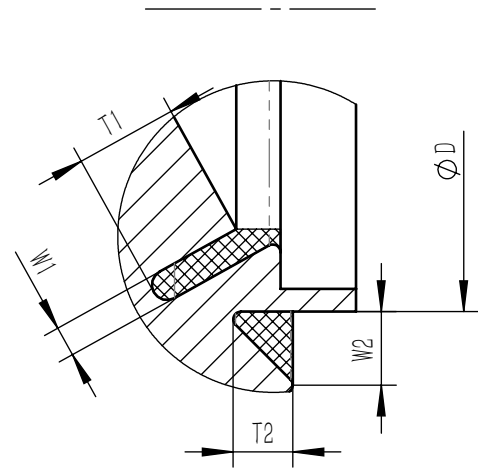
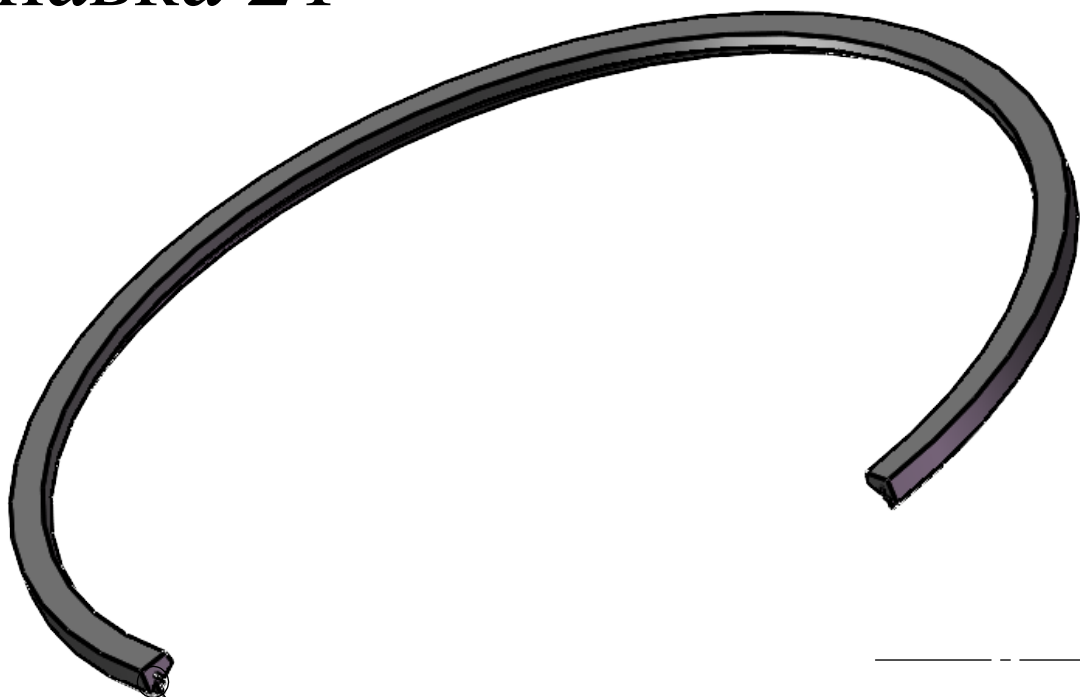
Канавка 21



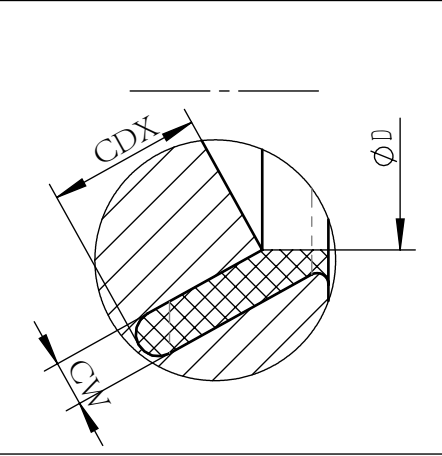
Канавка 21



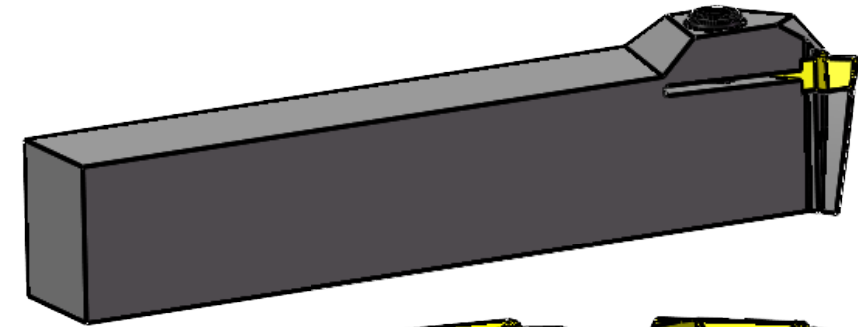
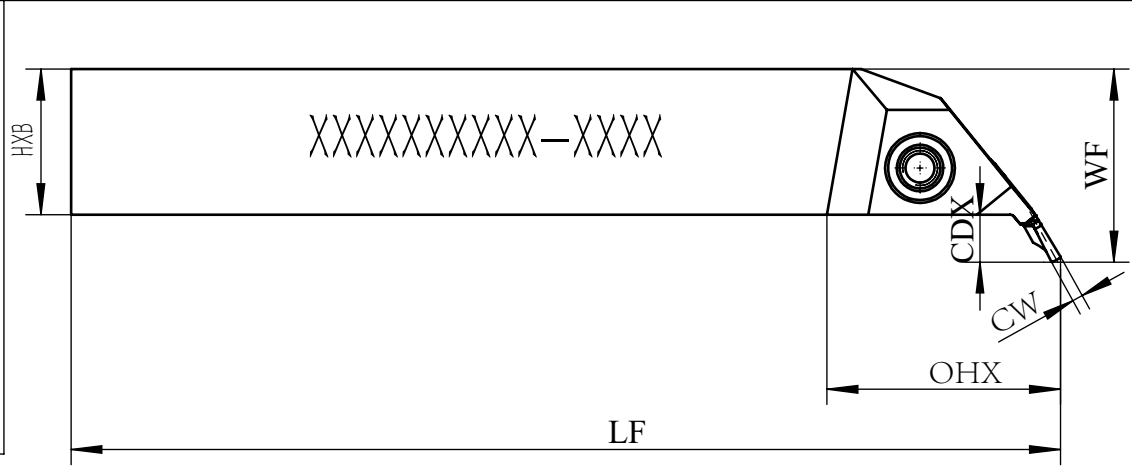
Канавка 21



Технологический переход



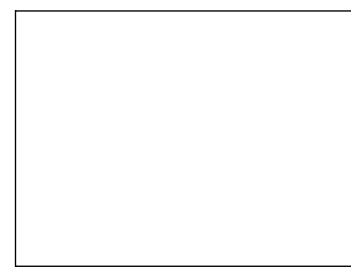
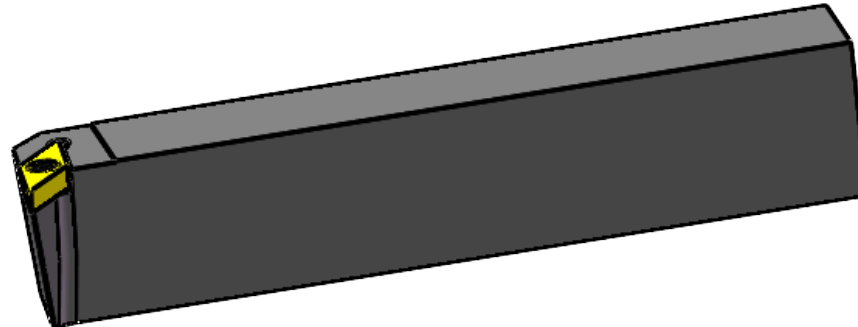
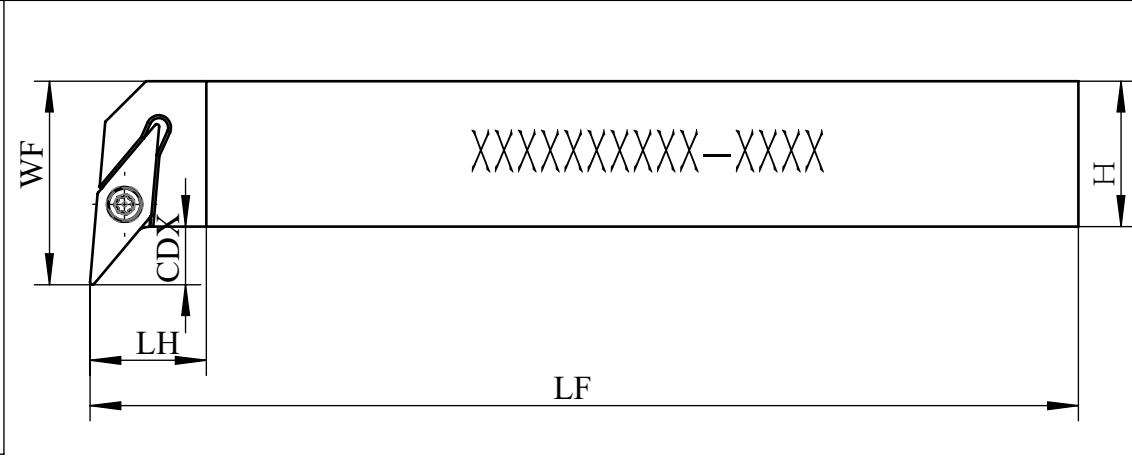
Инструмент №1



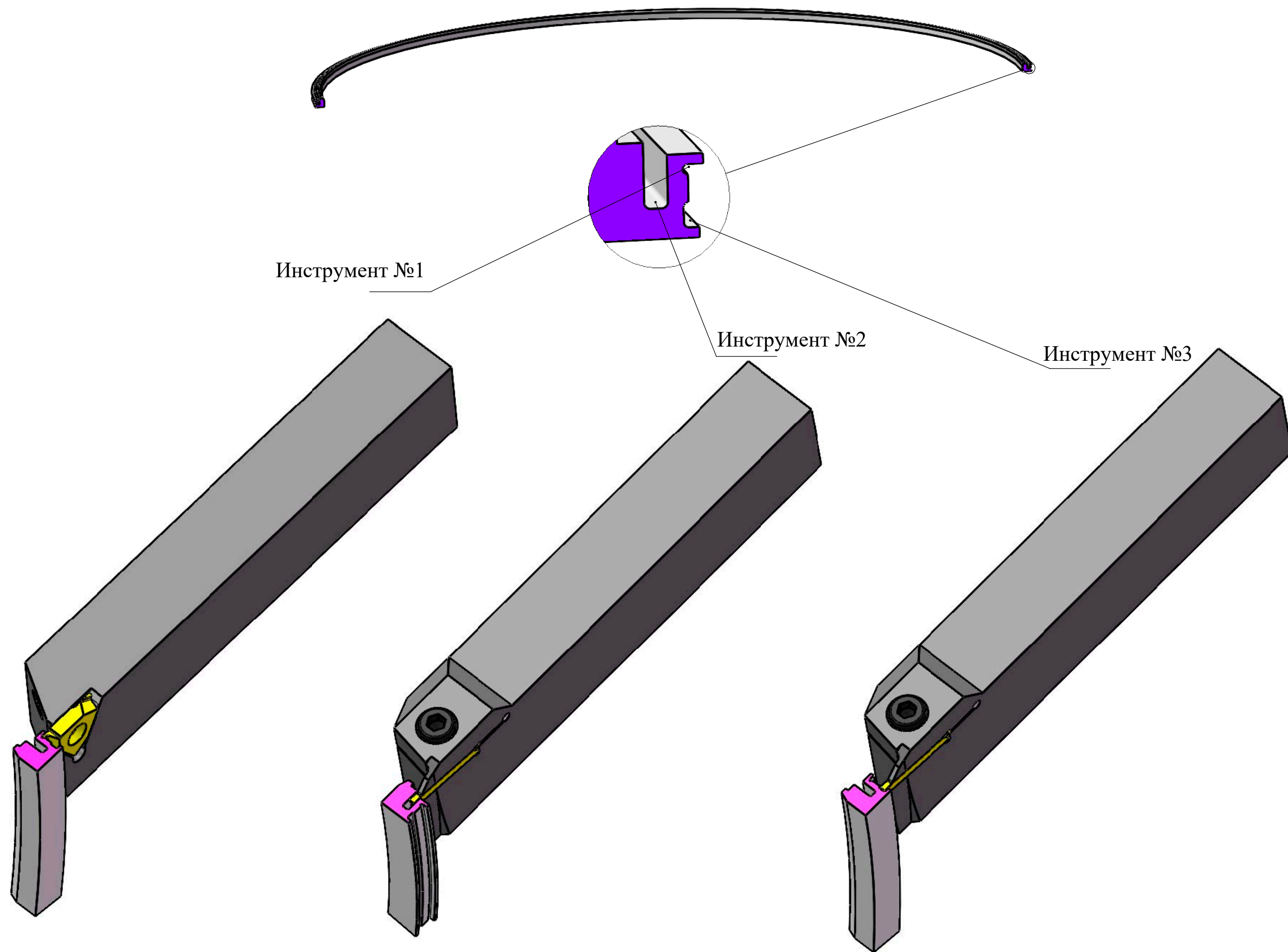
Пластины для предварительной обработки Пластины для чистовой обработки

Технологический переход

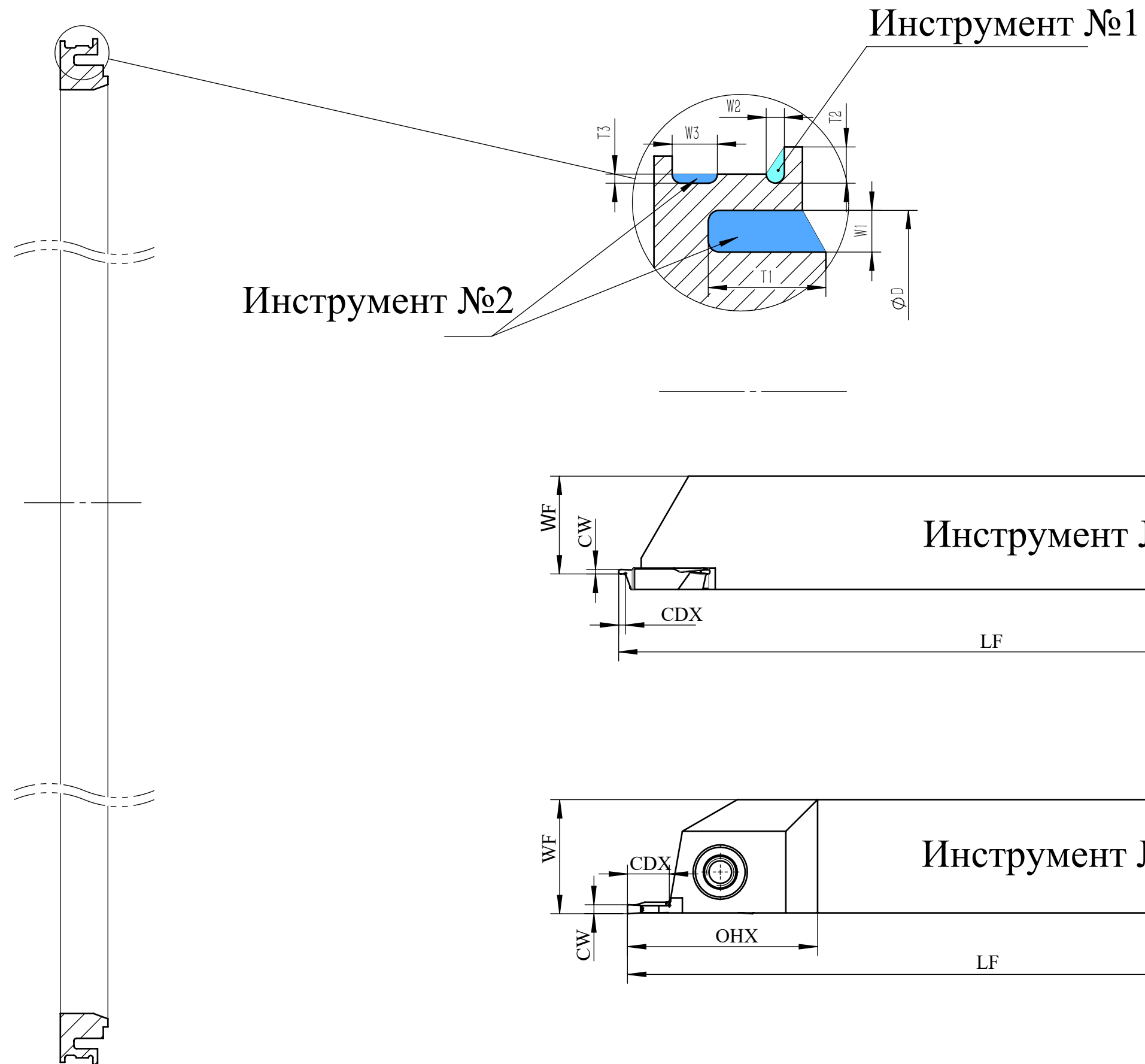
Инструмент №2



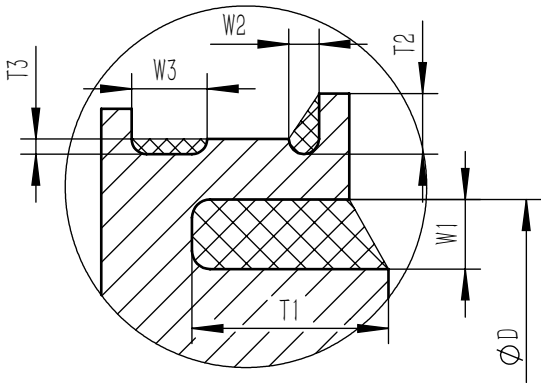
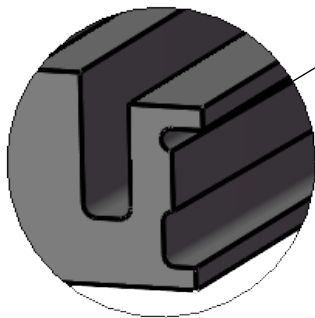
Канавка 22



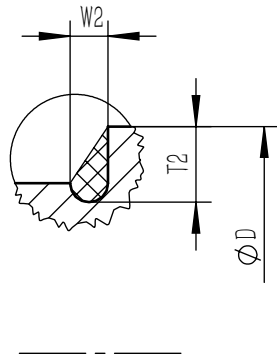
Канавка 22



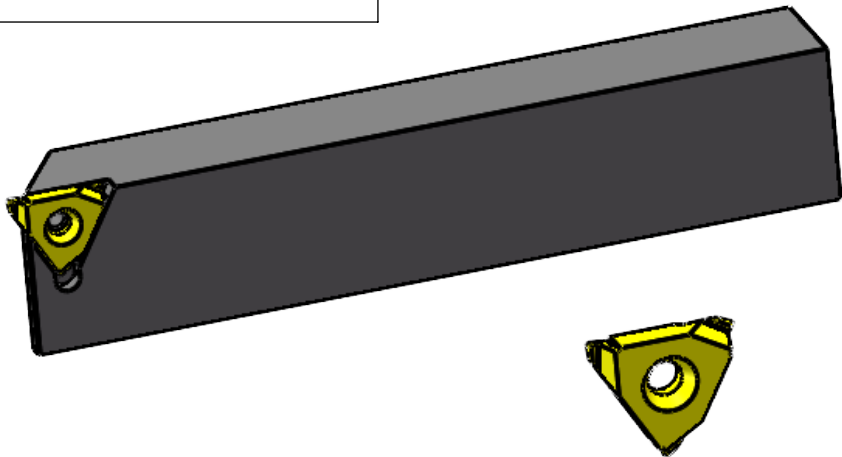
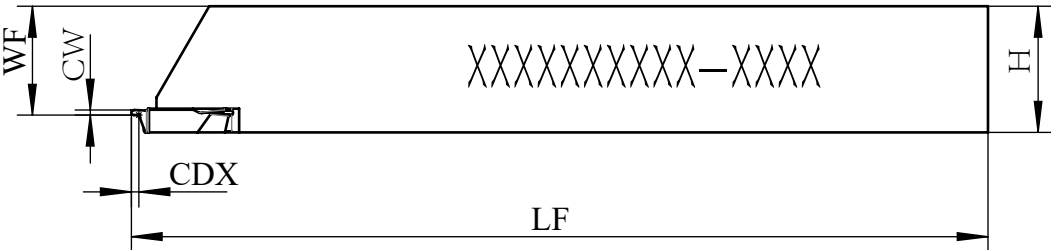
Канавка 22



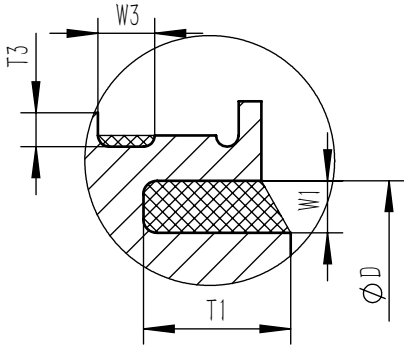
Технологическая часть



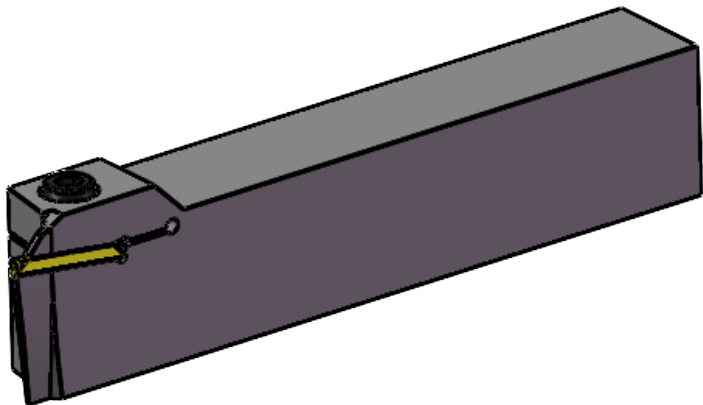
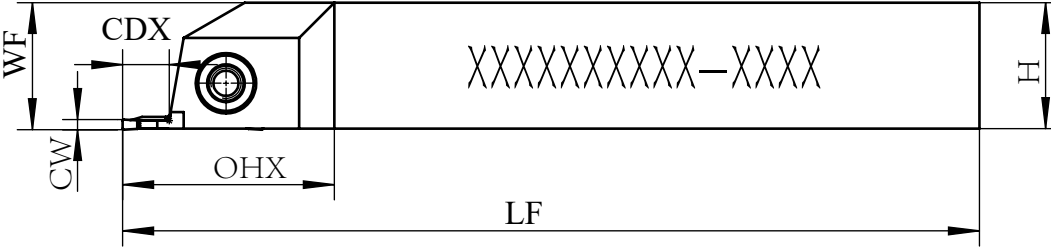
Инструмент №1



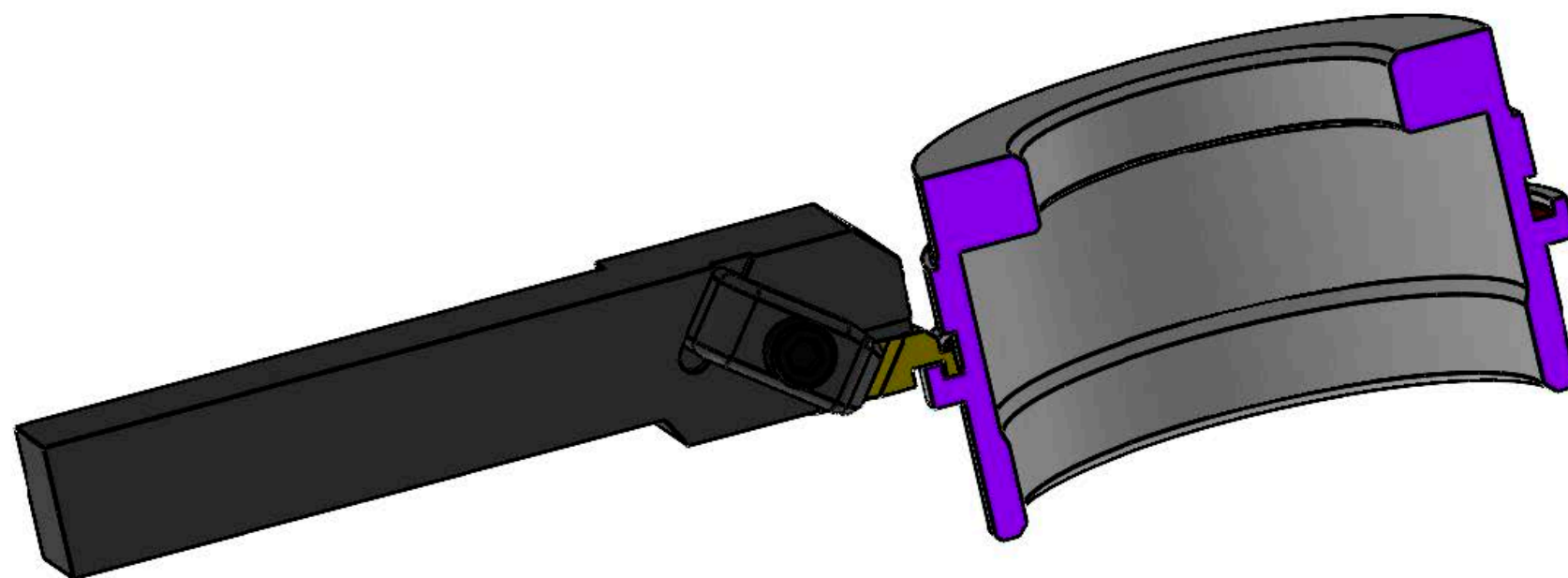
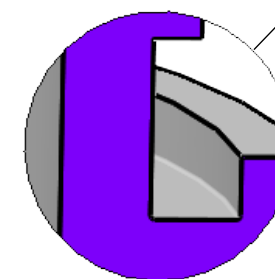
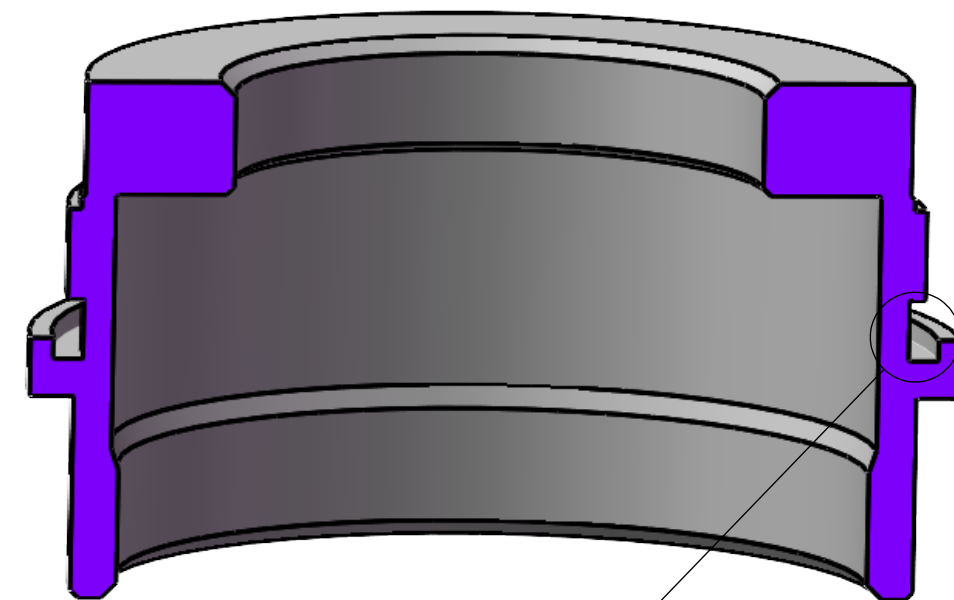
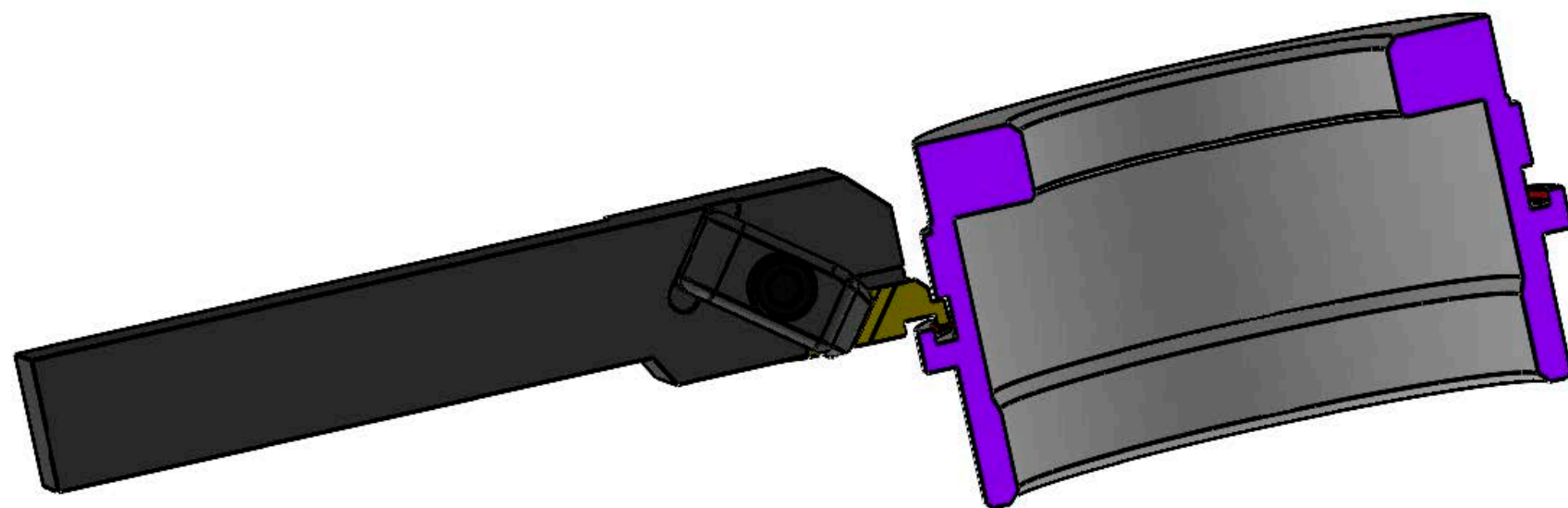
Технологическая часть



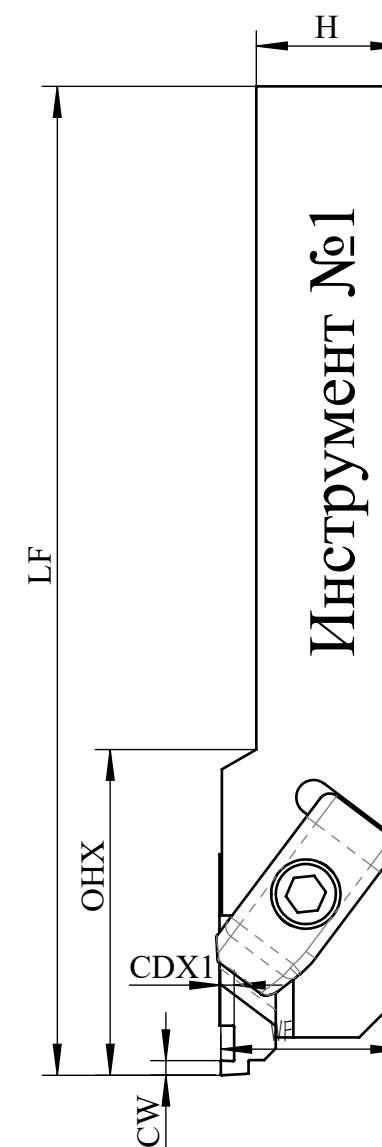
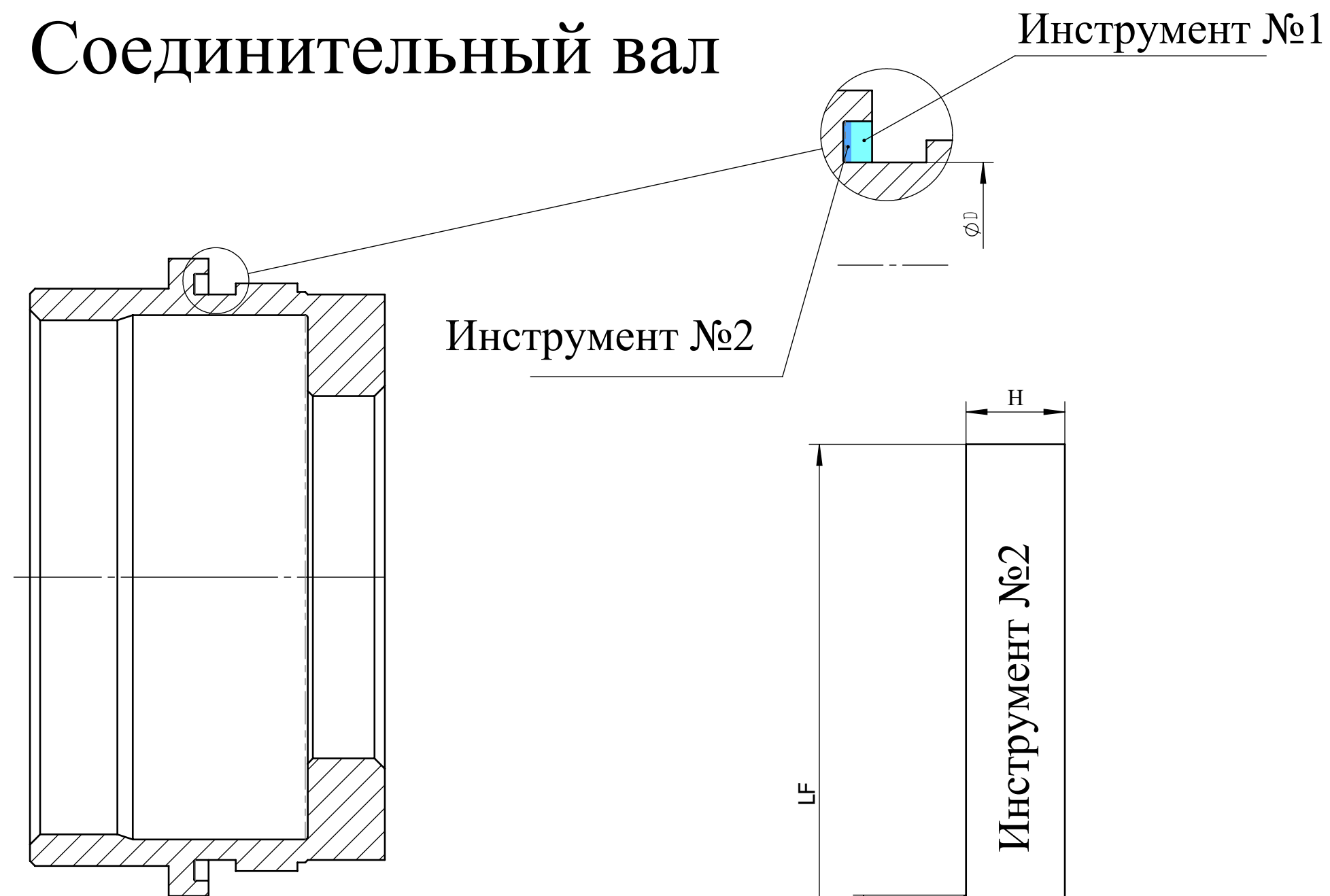
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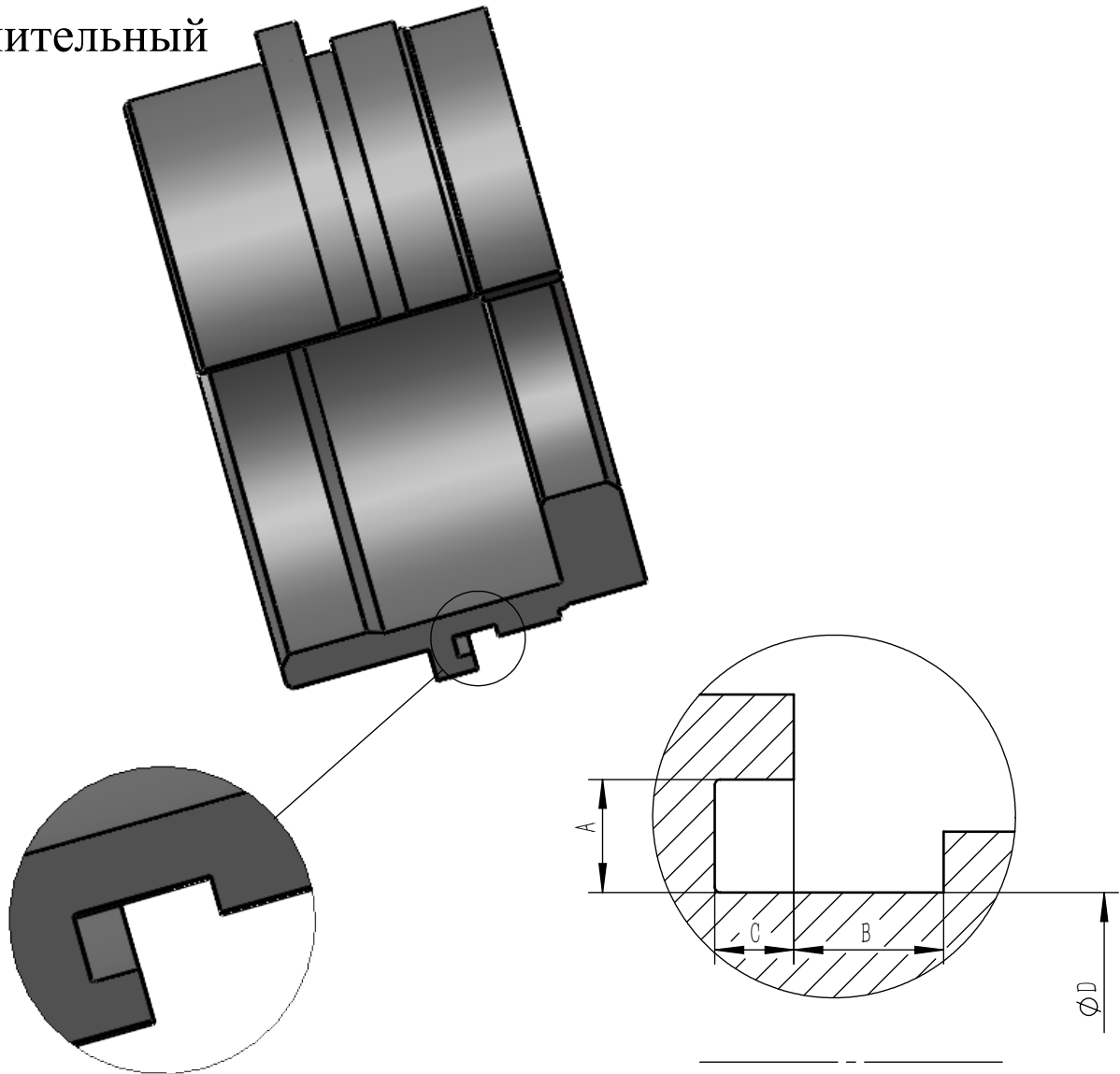
Элемент вала



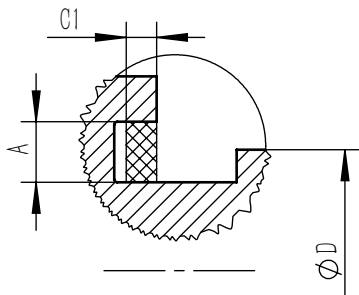
Соединительный вал



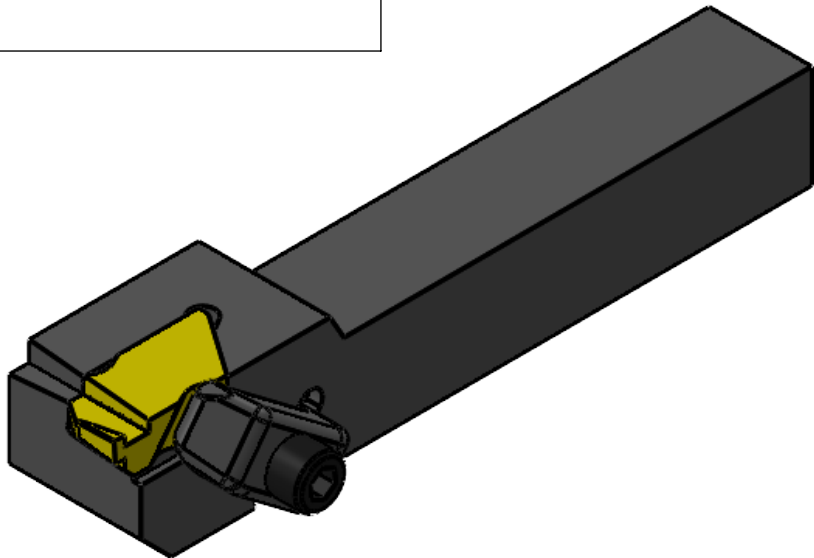
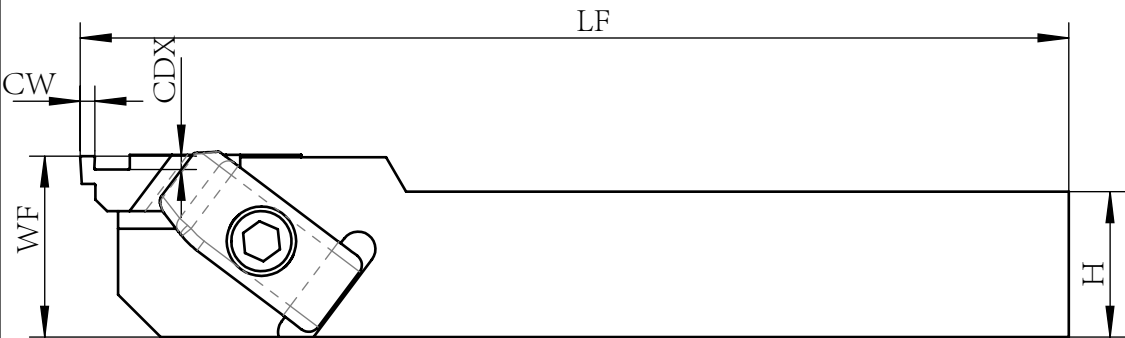
Соединительный
вал



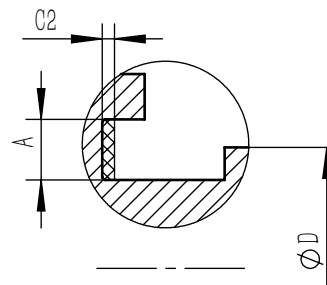
Технологический
переход



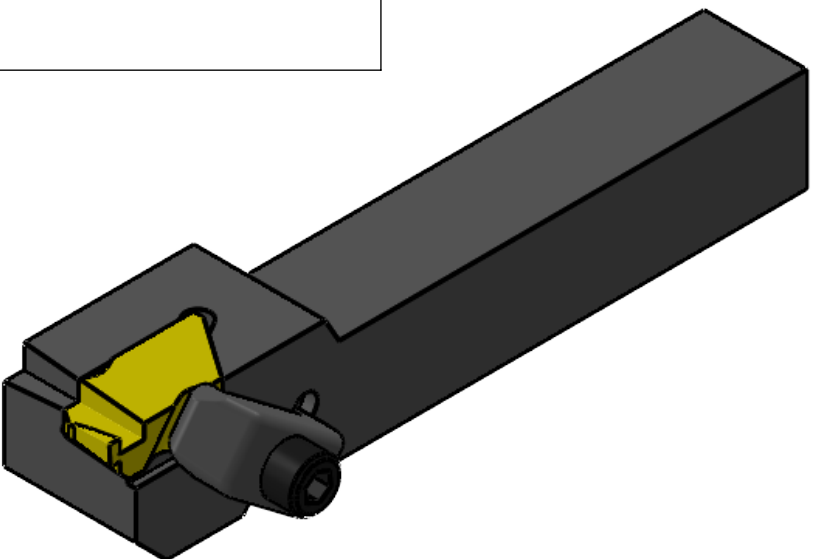
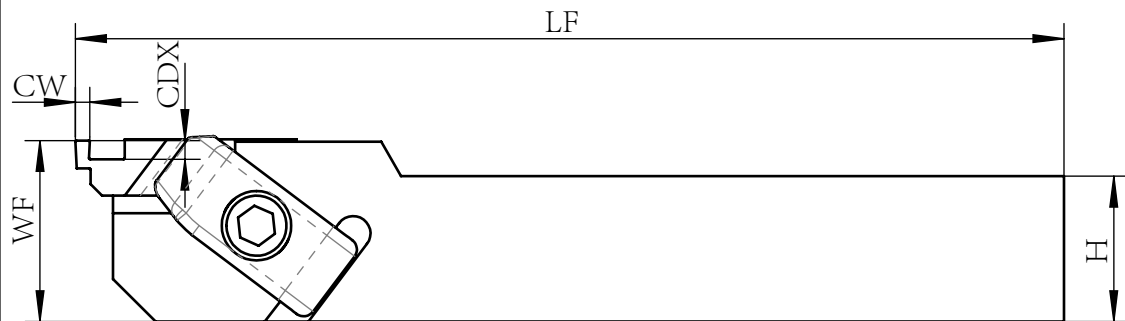
Инструмент №1



Технологический
переход



Инструмент №2





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