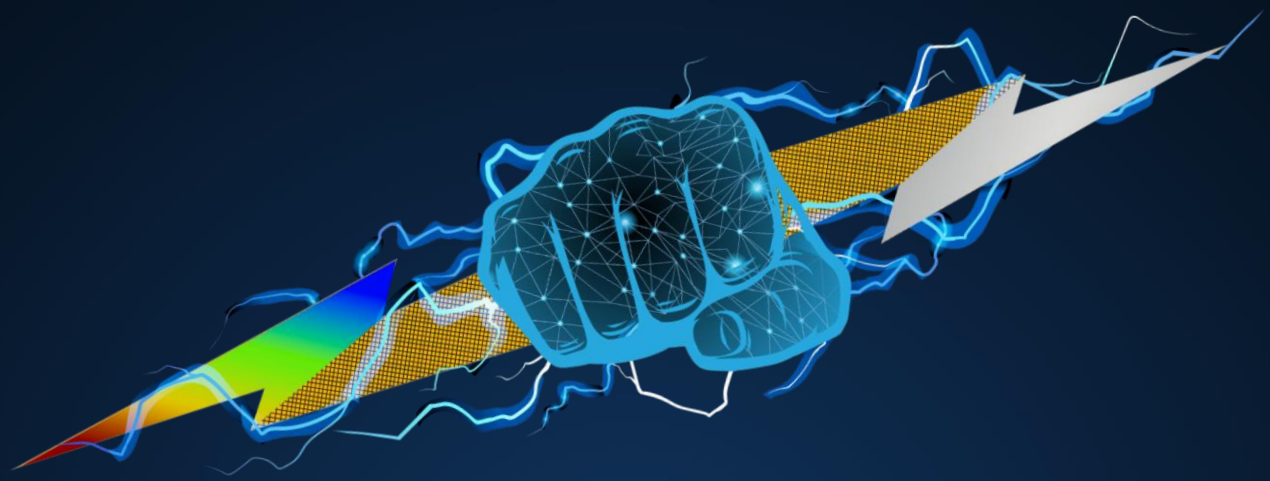
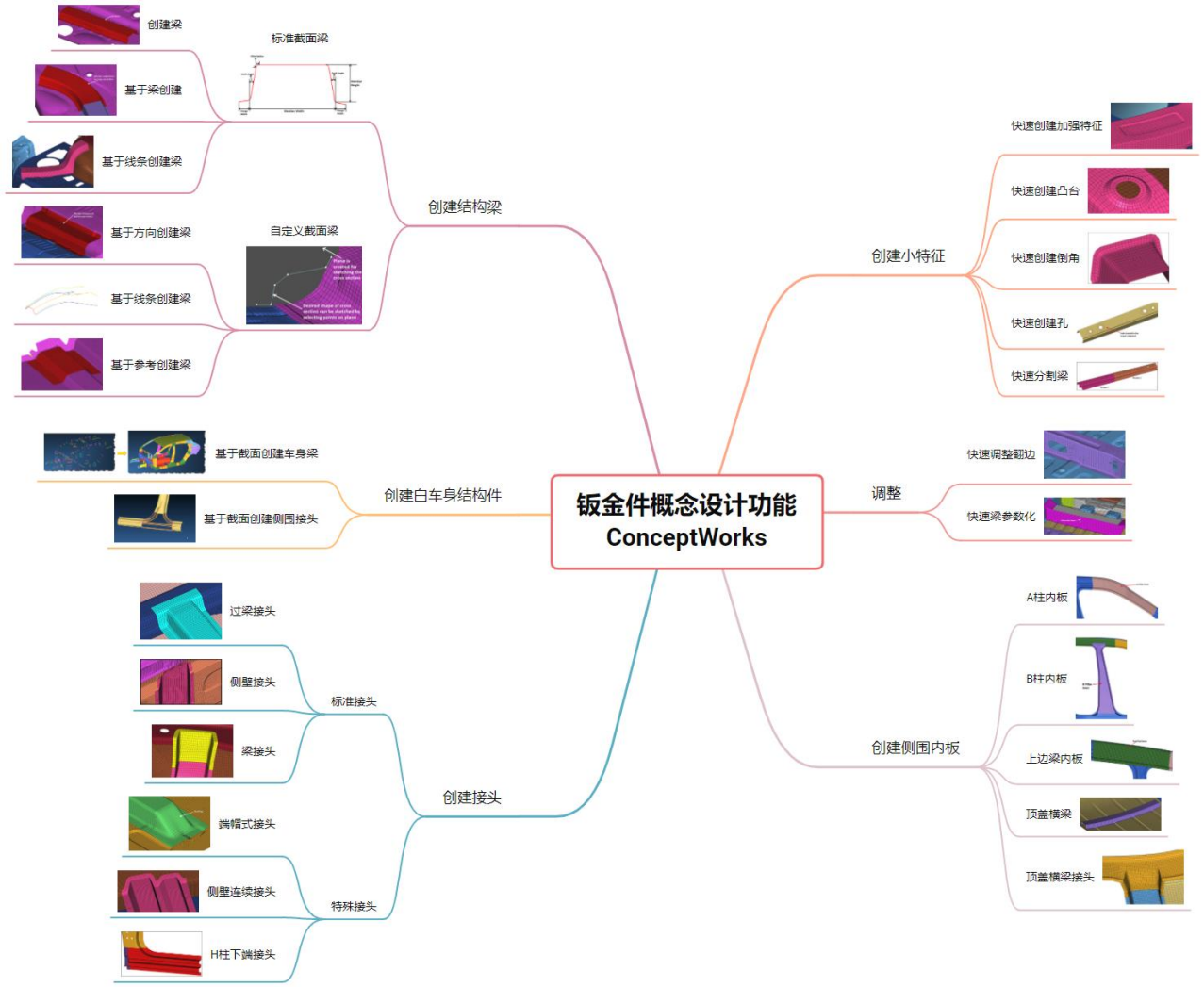


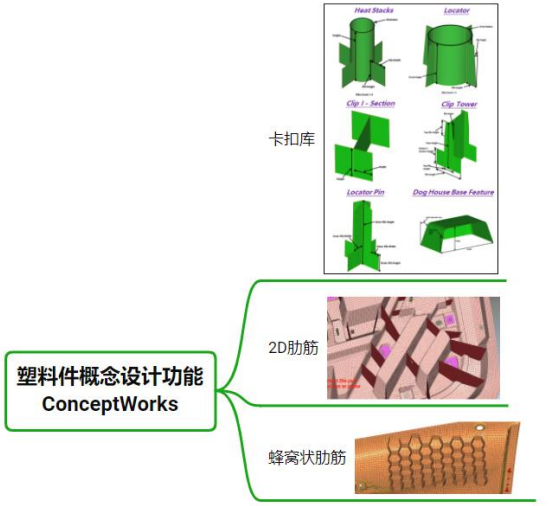
DEP

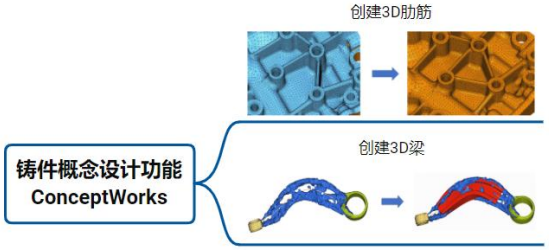
MeshWorks

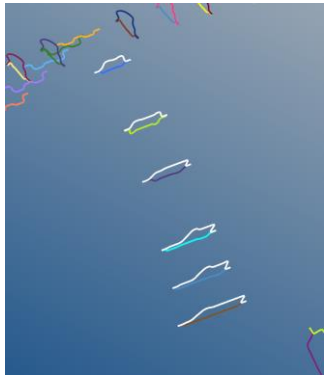
The power of CAE to

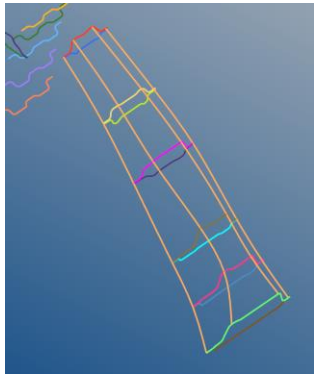
ACCELERATE. TRANSFORM. AUTOMATE. INNOVATE.

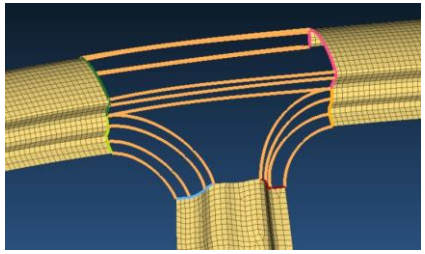

钣金件概念设计功能
ConceptWorks
创建结构梁
创建梁
标准截面梁
基于梁创建
基于线条创建梁
自定义截面梁
基于方向创建梁
基于线条创建梁
基于参考创建梁
创建白车身结构件
基于截面创建车身梁
基于截面创建侧围接头
创建接头
标准接头
过梁接头
侧壁接头
梁接头
端帽式接头
特殊接头
侧壁连续接头
H柱下端接头
创建小特征
快速创建加强特征
快速创建凸台
快速创建倒角
快速创建孔
快速分割梁
调整
快速调整翻边
快速梁参数化
创建侧围内板
A柱内板
B柱内板
上边梁内板
顶盖横梁
顶盖横梁接头

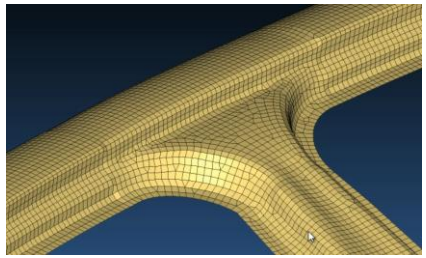

塑料件概念设计功能
ConceptWorks
卡扣库
2D肋筋
蜂窝状肋筋

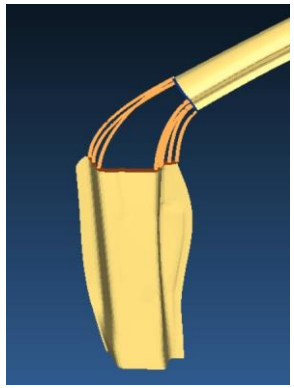

铸件概念设计功能
ConceptWorks
创建3D肋筋
创建3D梁





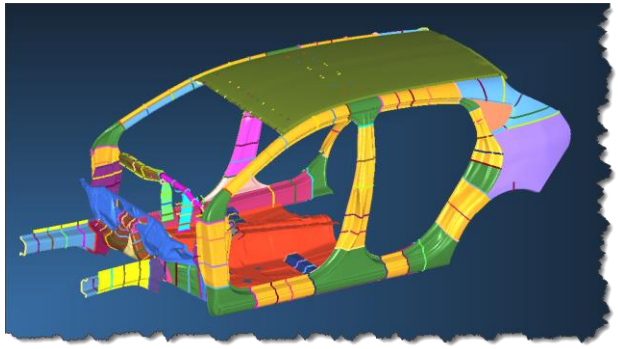


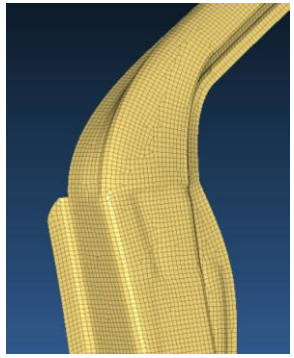




Without Trajectory

With Trajectory

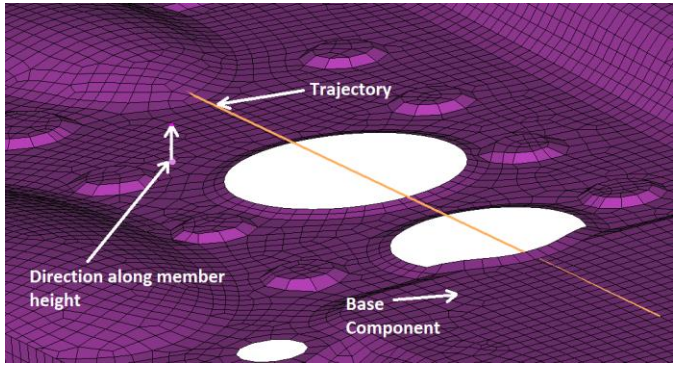


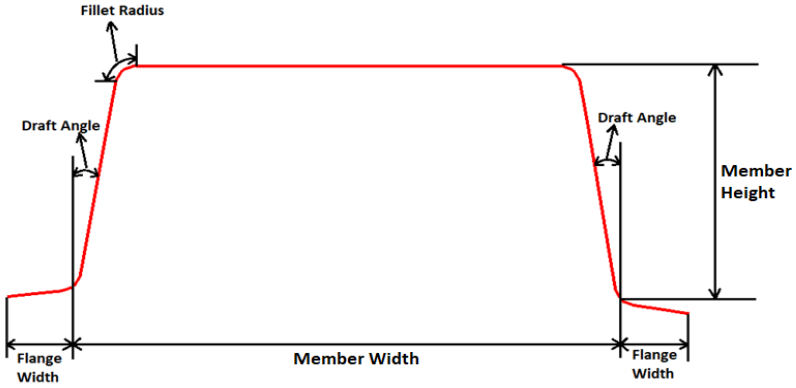


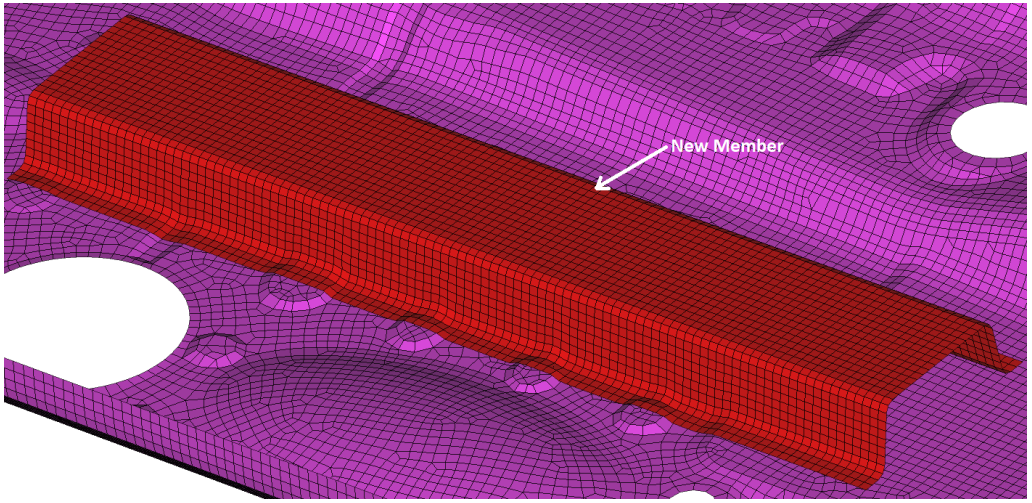
Member Creation (Pre-Defined Member)

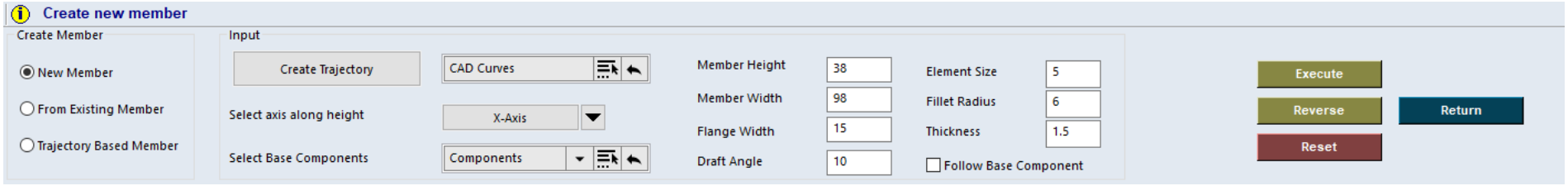
DEP MeshWorks

New Member



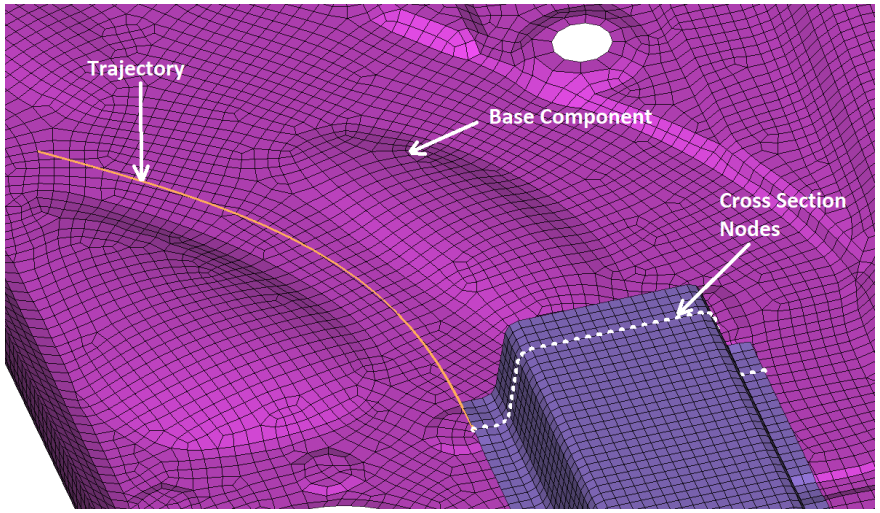


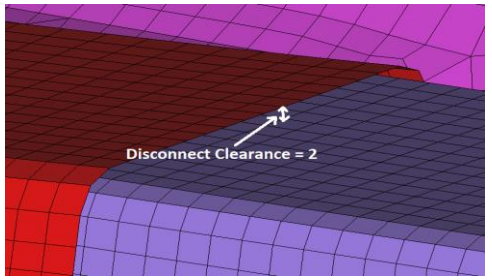


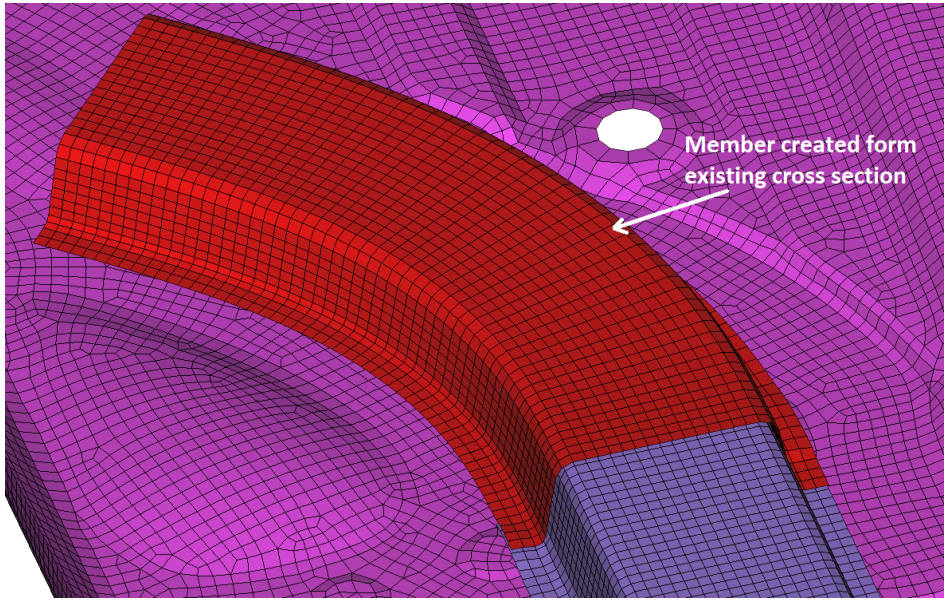


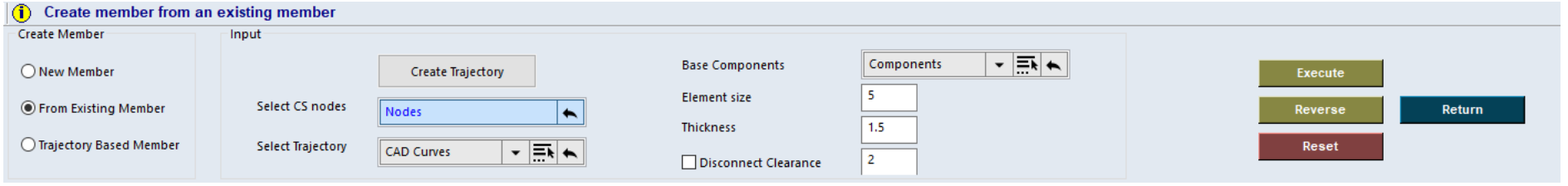
Member Creation (Pre-Defined Member)

From Existing Member



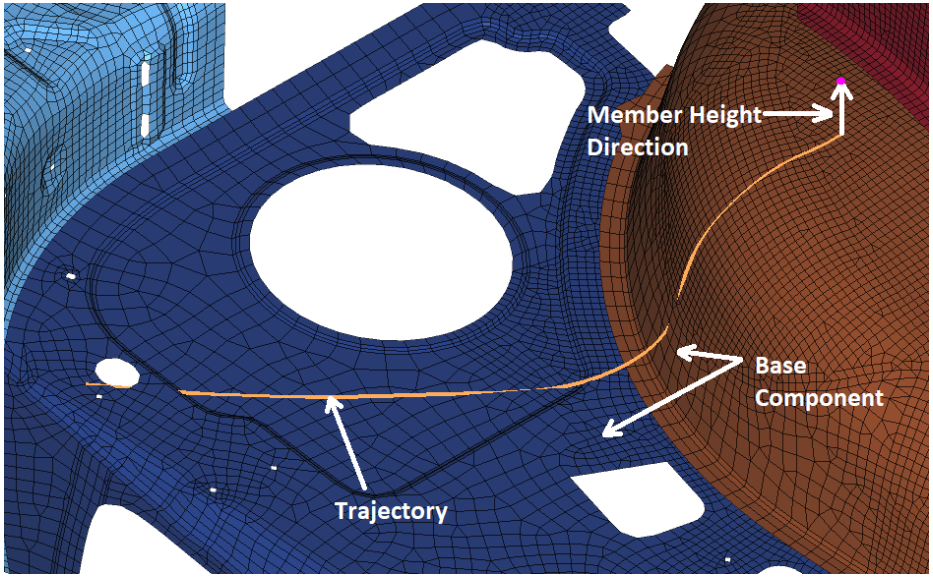






Member Creation (Pre-Defined Member)

Trajectory Based Member



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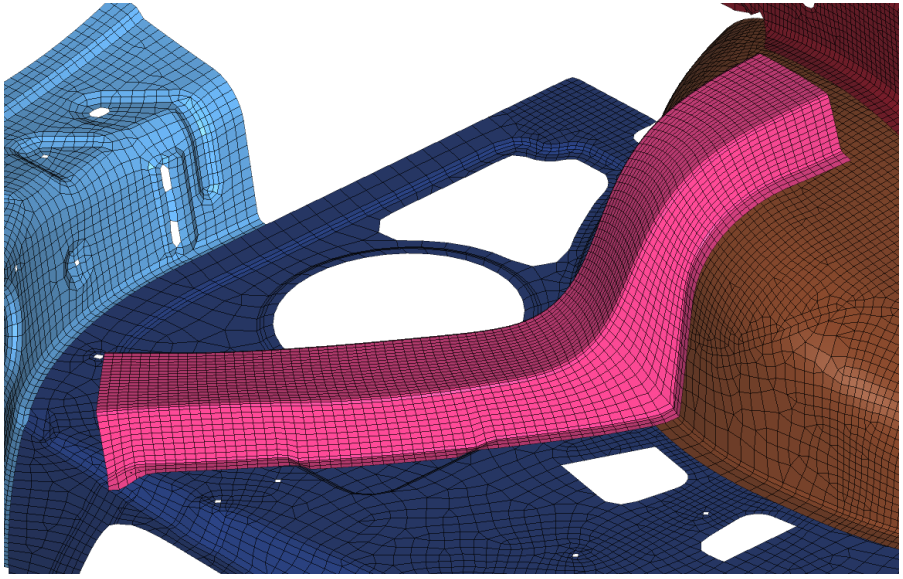

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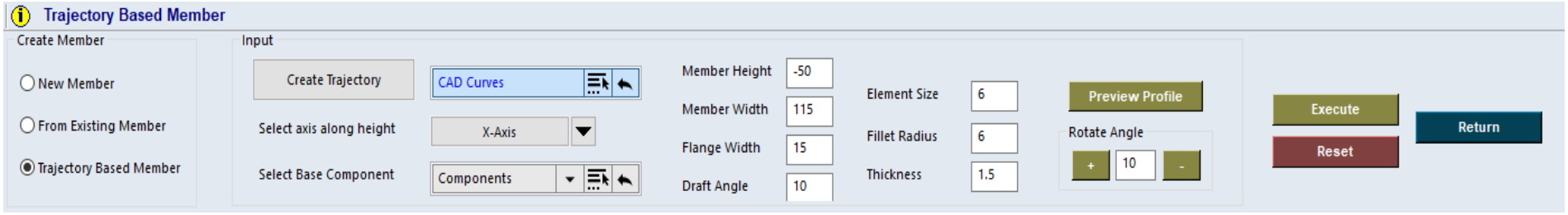
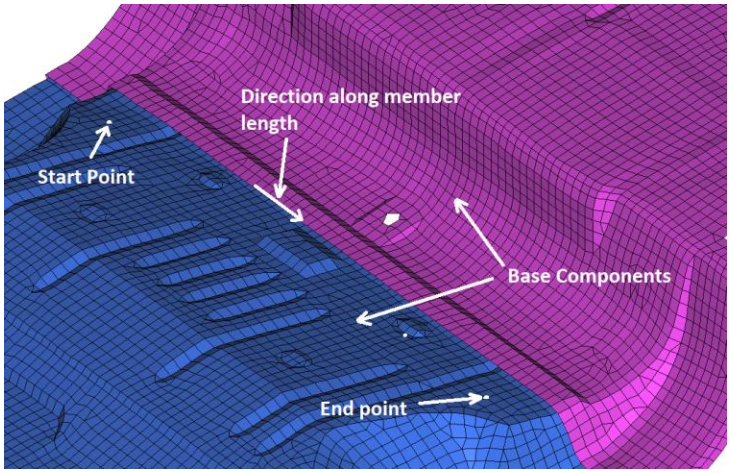
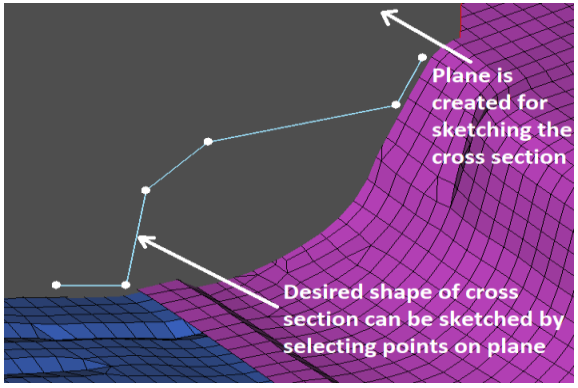
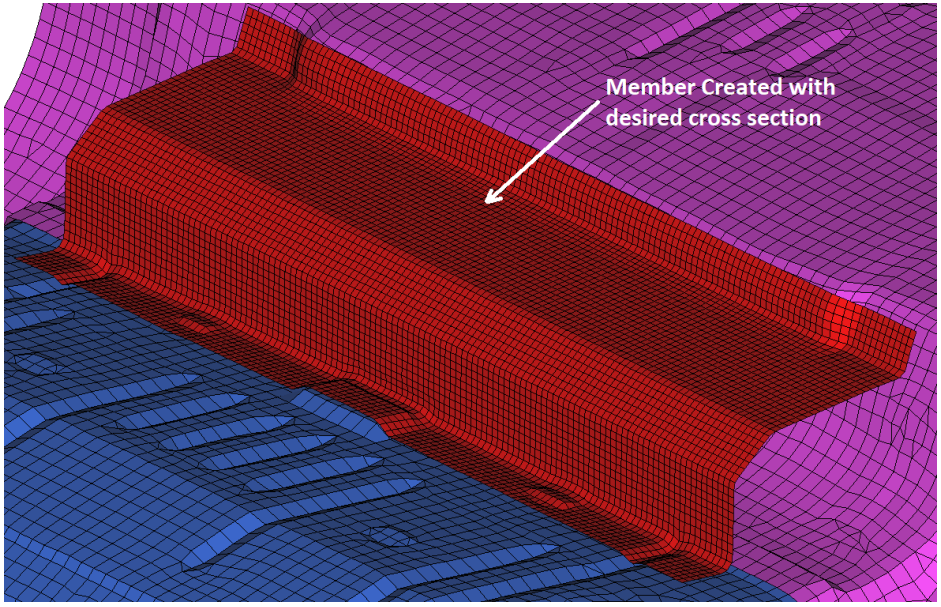


Member Creation (User-Defined Member)

Direction Based







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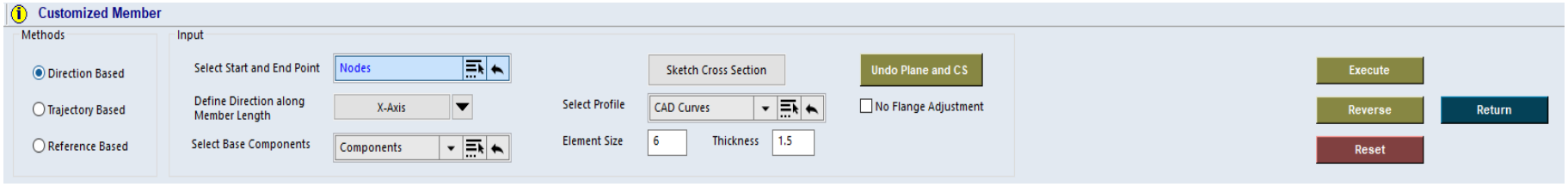
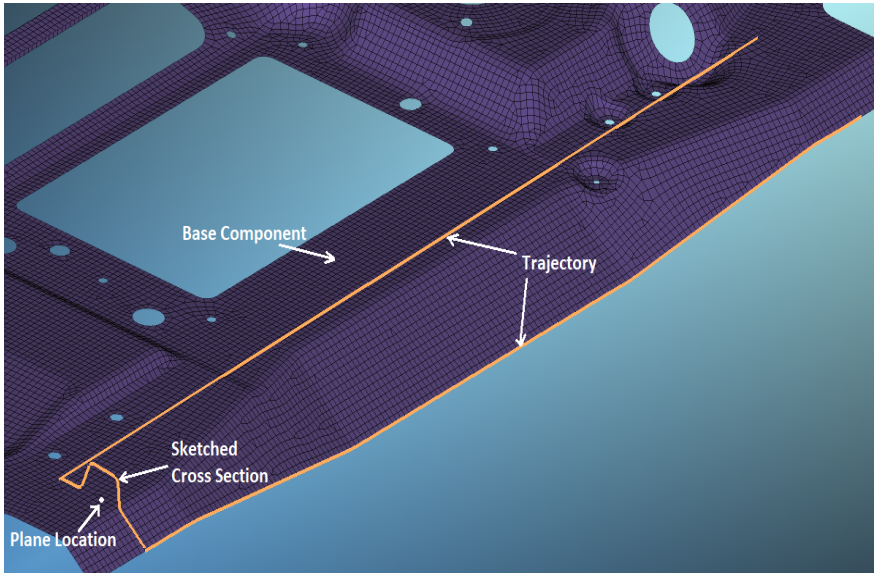


Member Creation (User-Defined Member)

DEP MeshWorks

Trajectory Based



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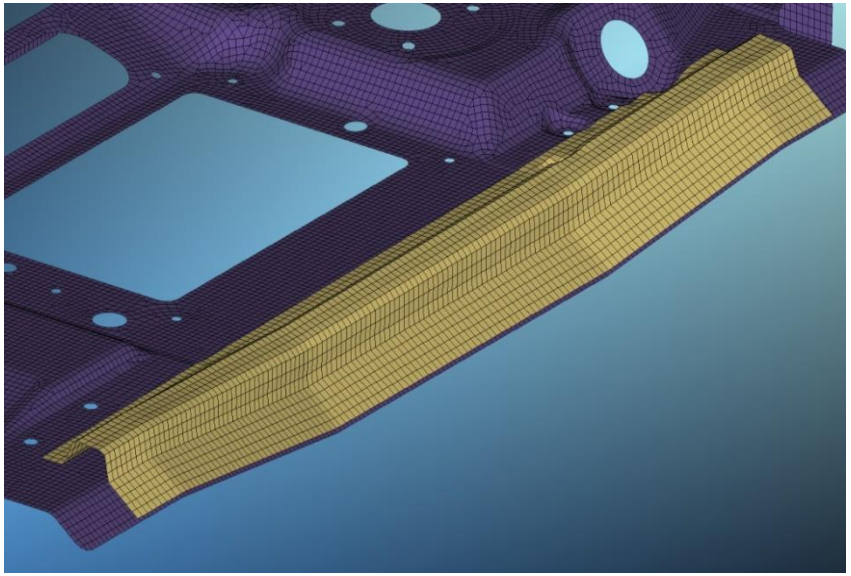

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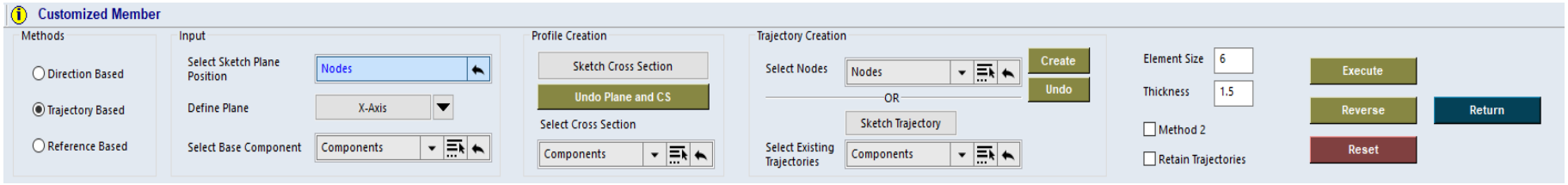
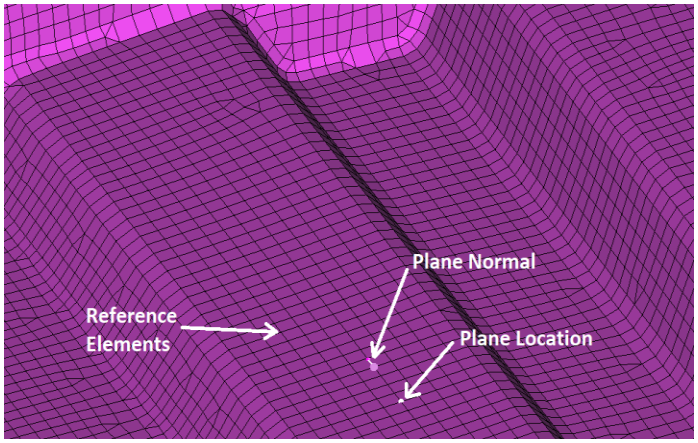
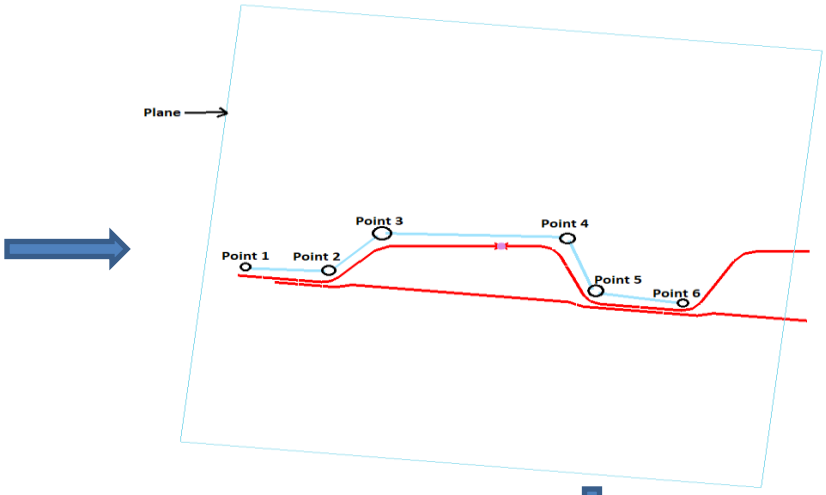


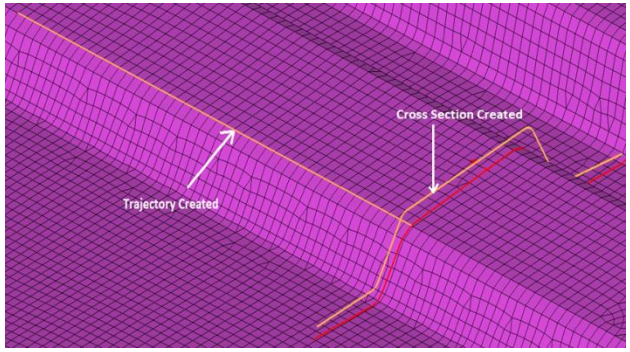
Member Creation (User-Defined Member)

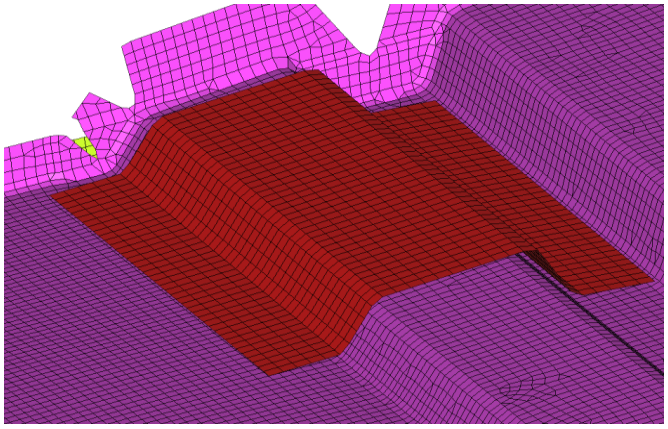
DEP MeshWorks

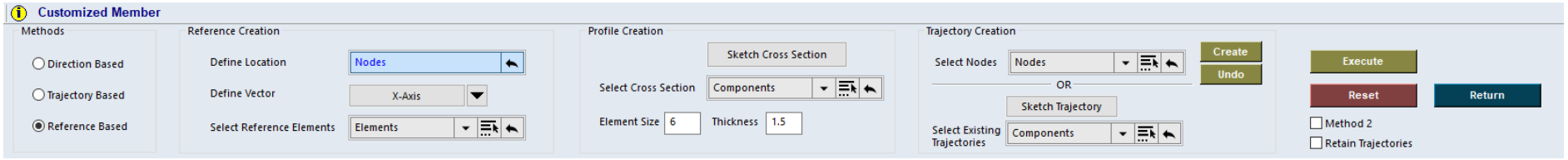
Reference Based





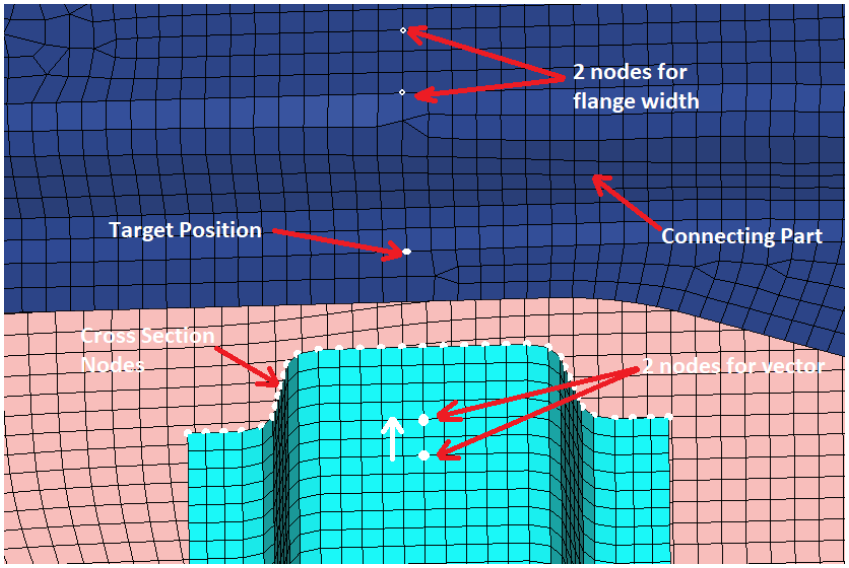






Joint Creation (Standard Joints)

Joint Over Member



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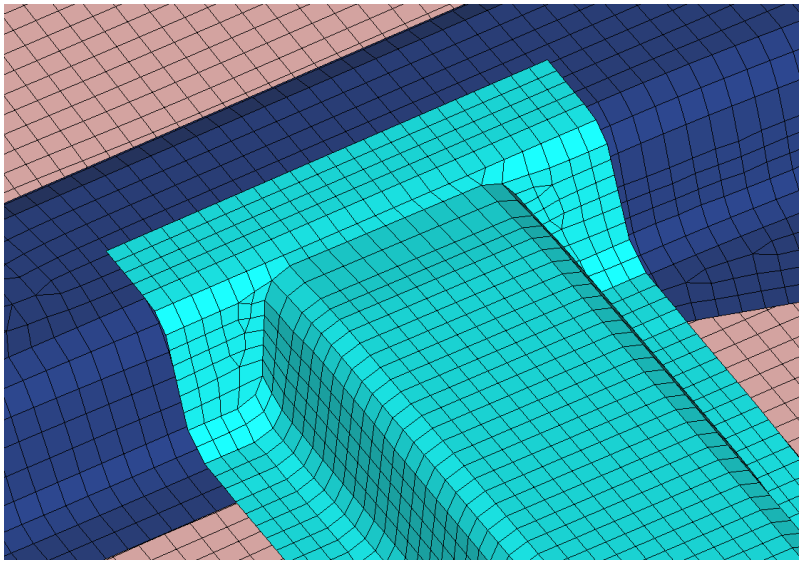

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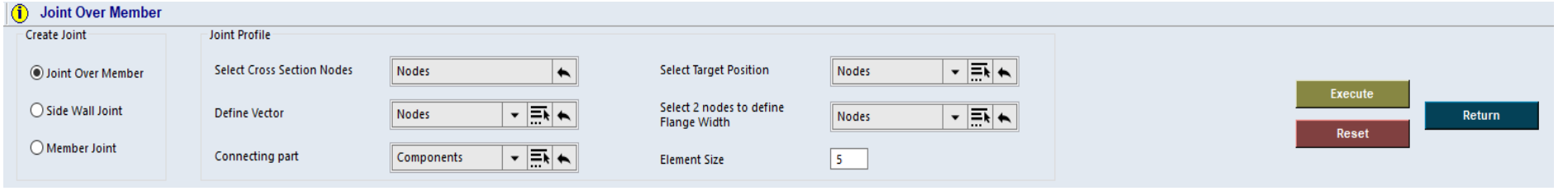
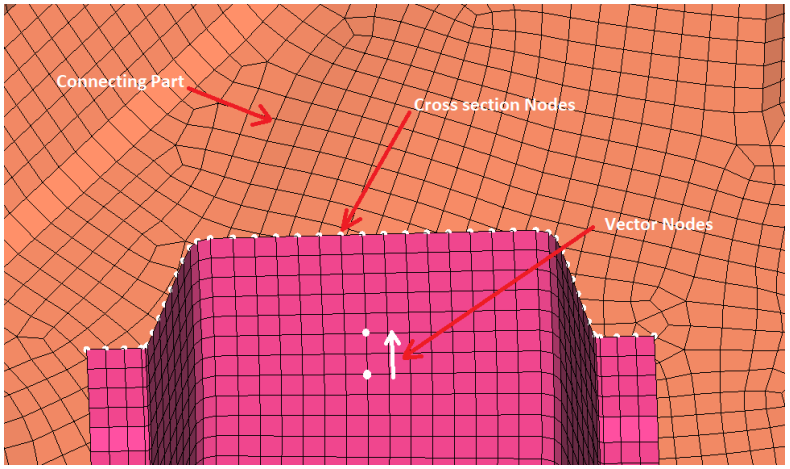
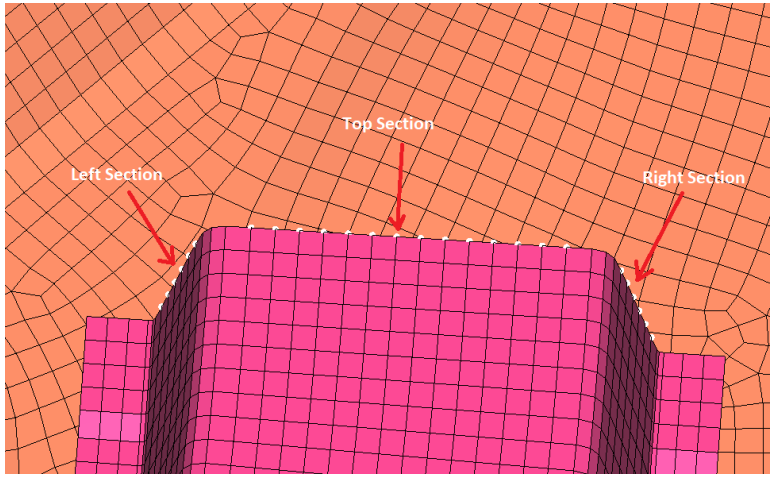
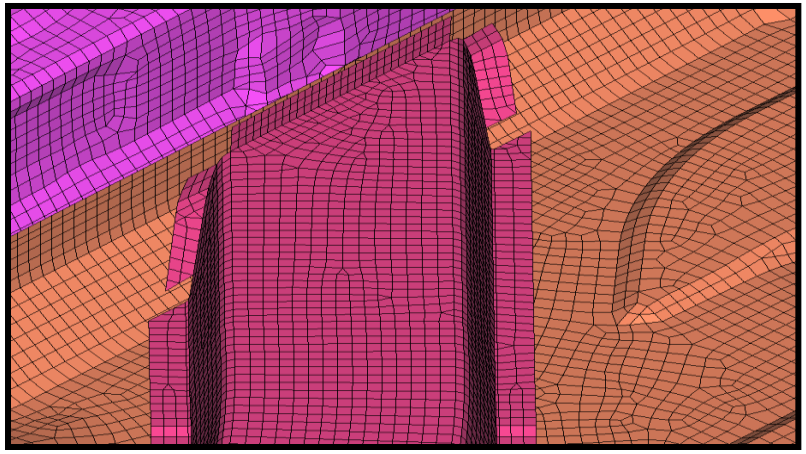


Joint Creation (Standard Joints)

Side Wall Joint







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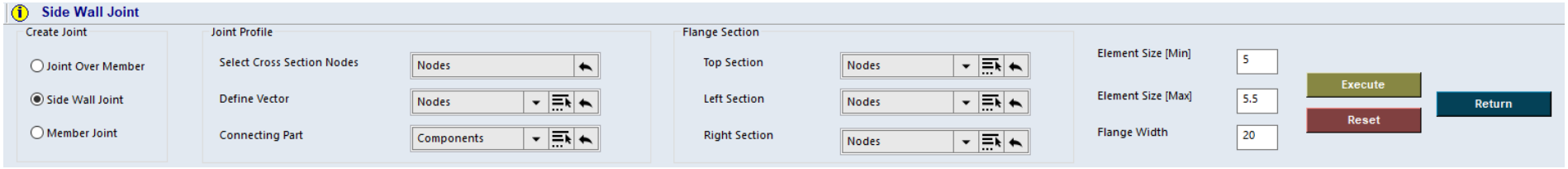
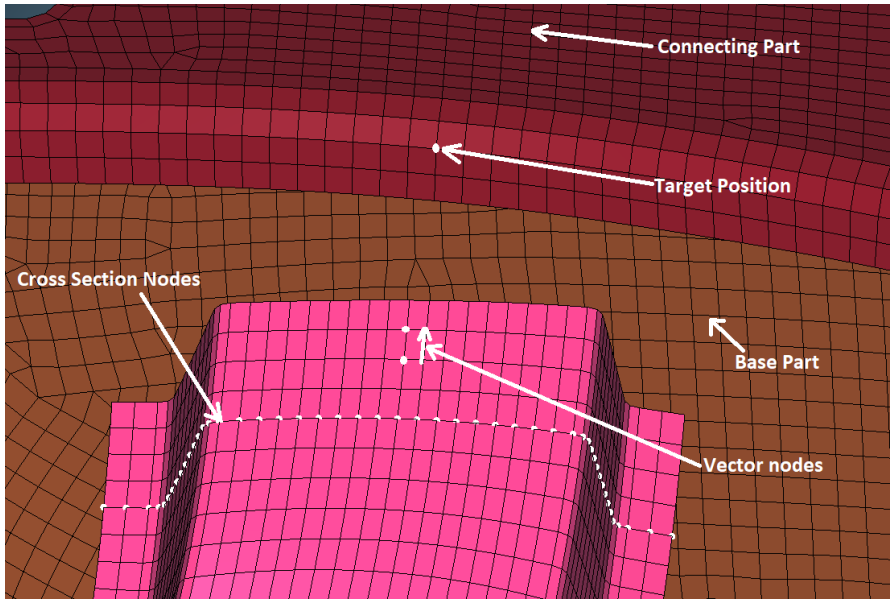


Joint Creation (Standard Joints)

Member Joint



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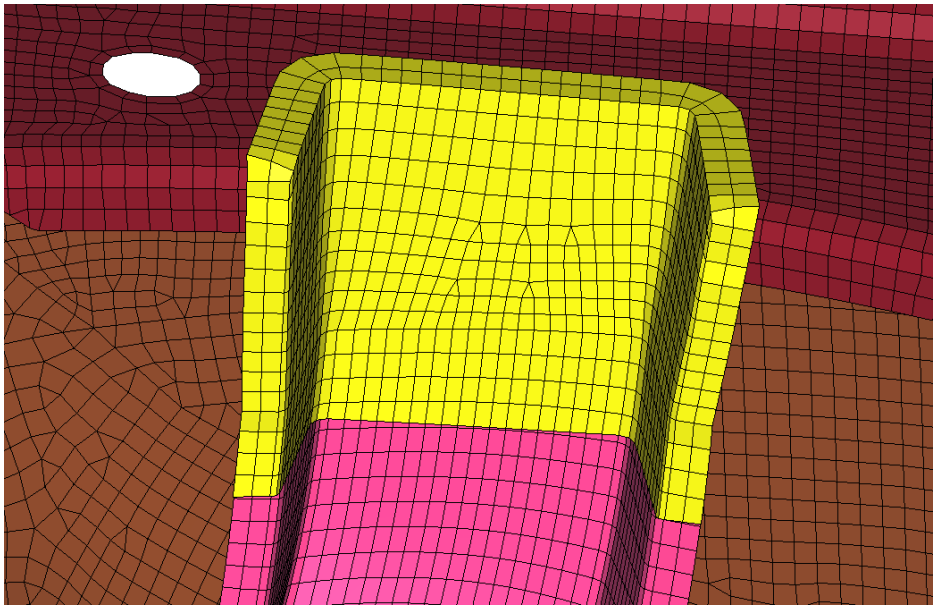

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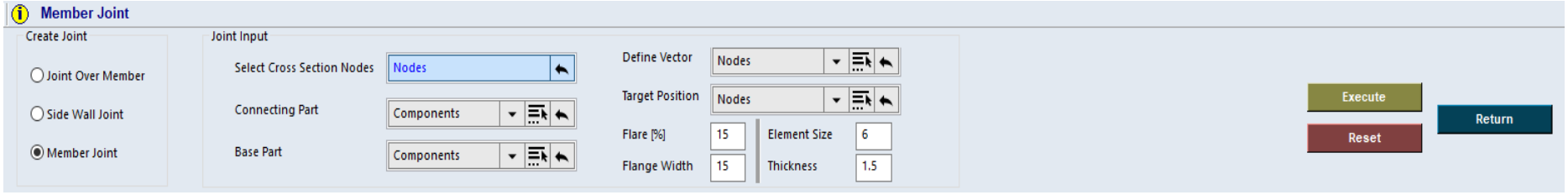
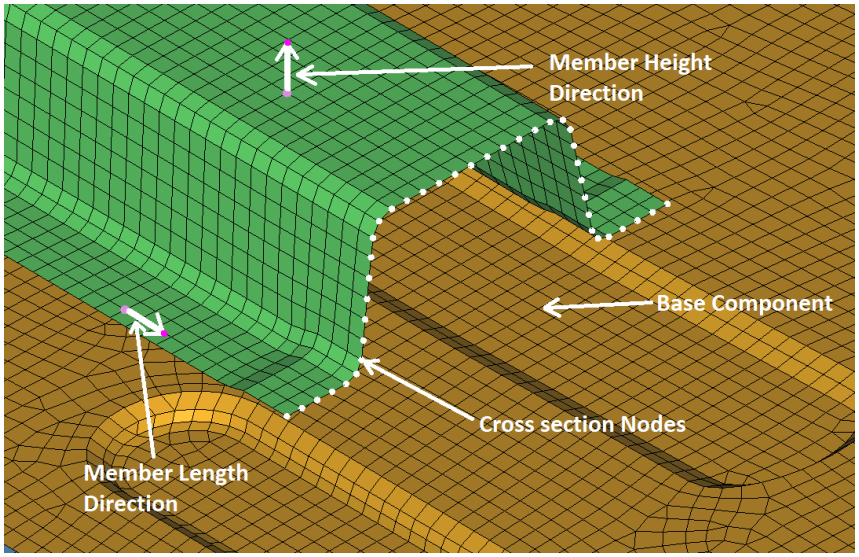


Joint Creation (Special Joints)

End Caps



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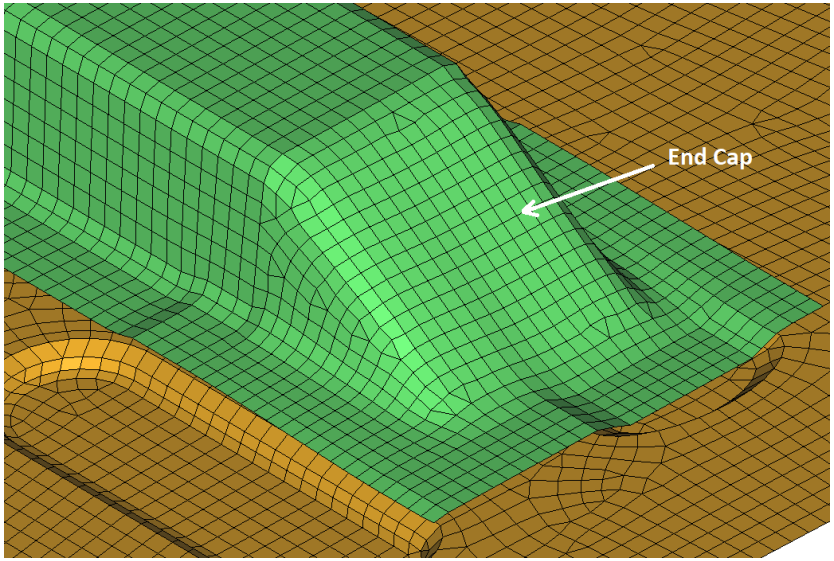

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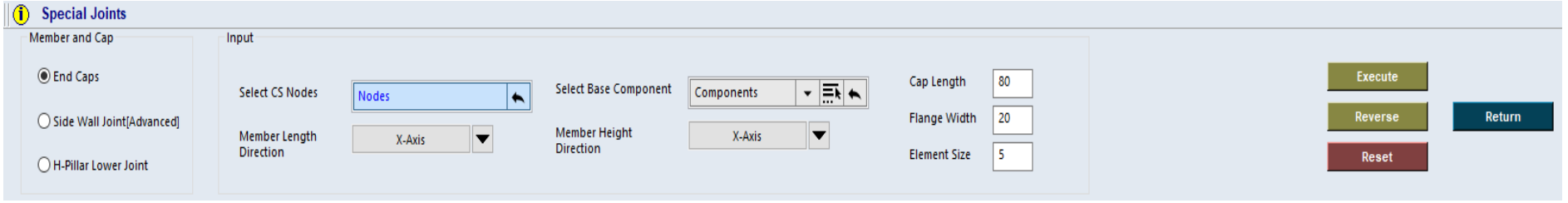
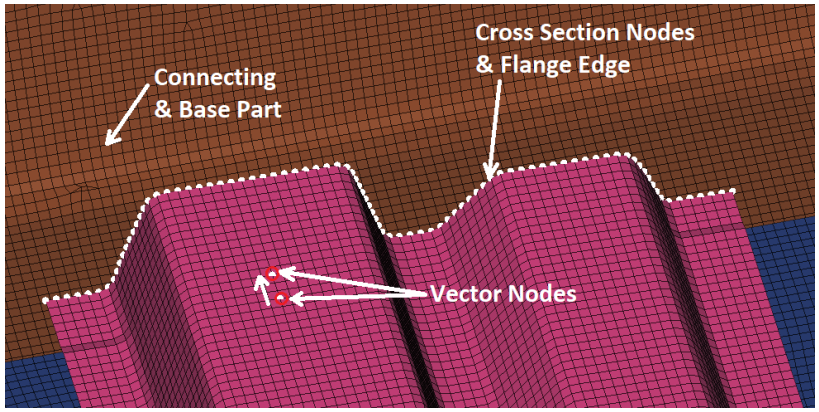


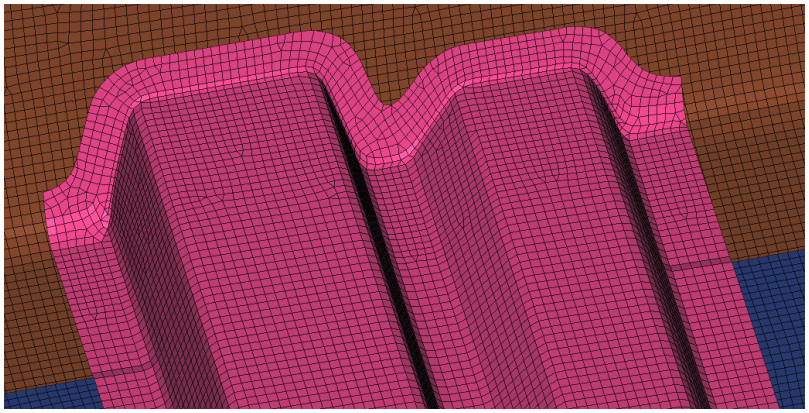
Joint Creation (Special Joints)

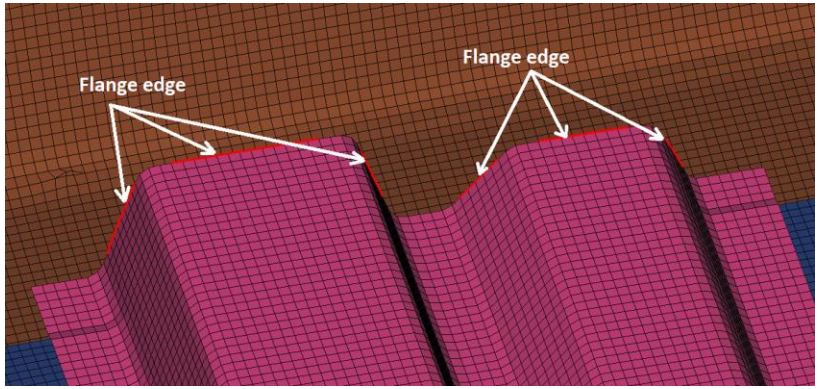
DEP MeshWorks

Side Wall Joint (Advanced)

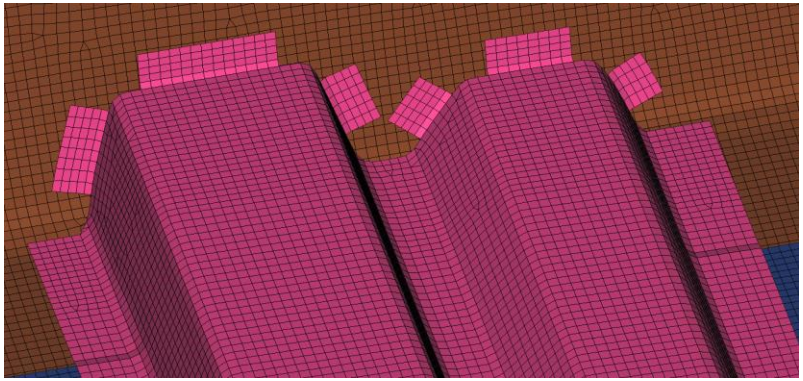


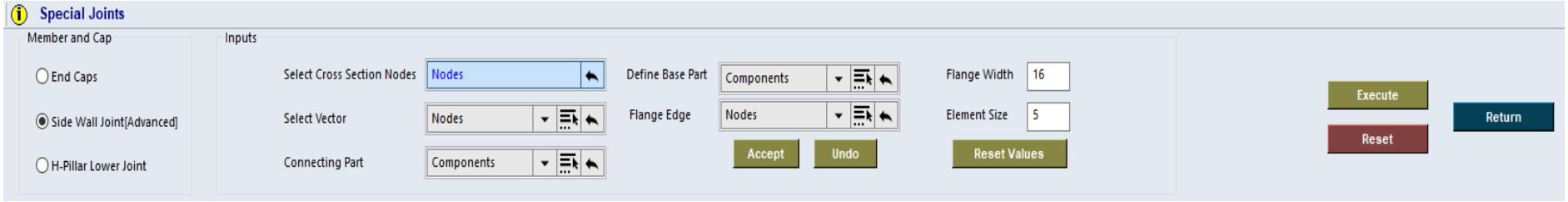
Continuous Flange





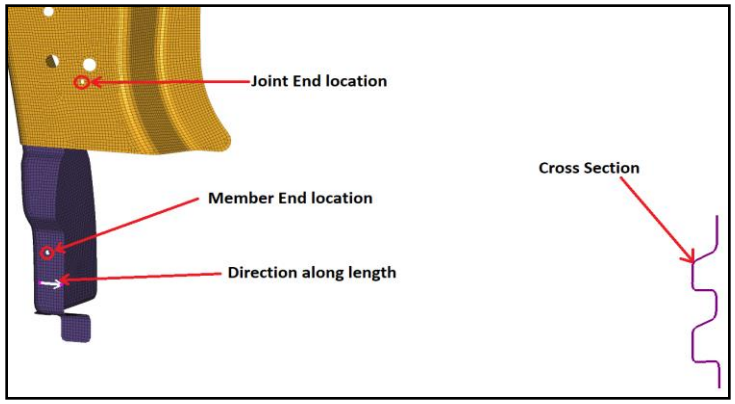
Split Flange

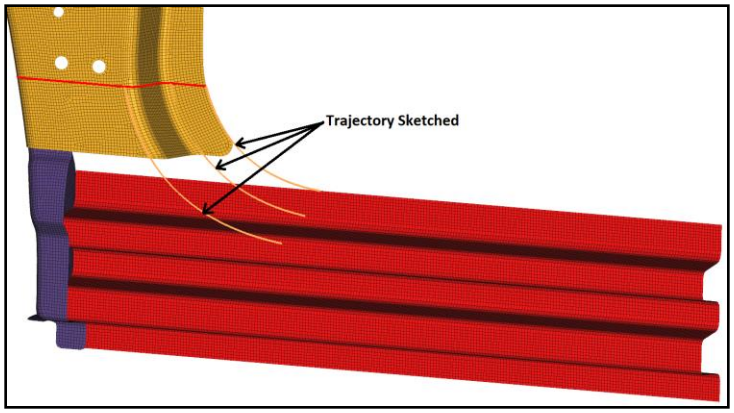


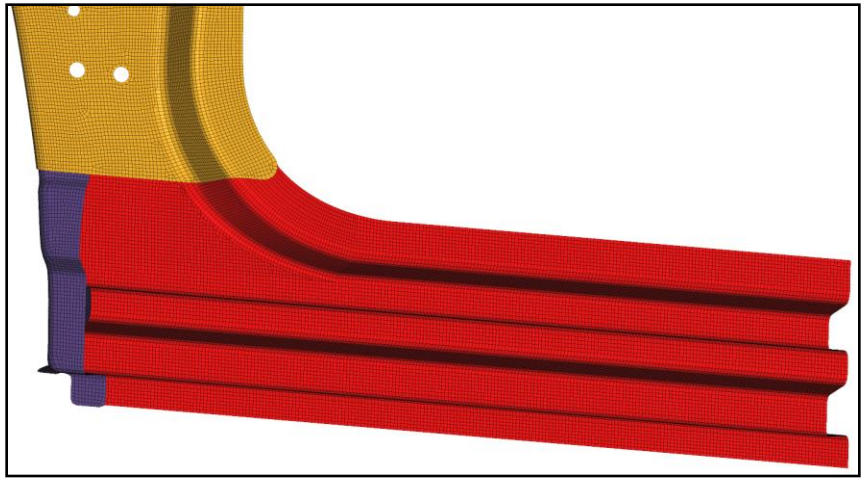


Joint Creation (Special Joints)

H-Pillar Lower Joint







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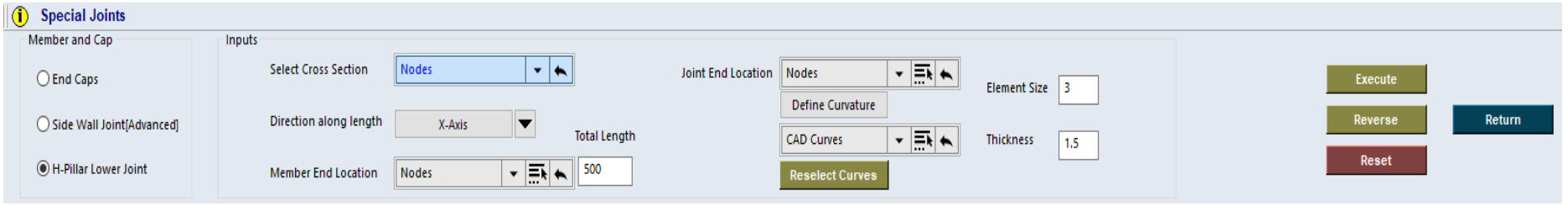
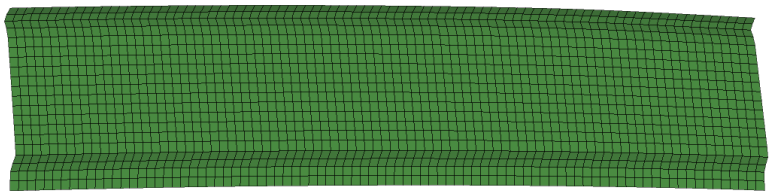
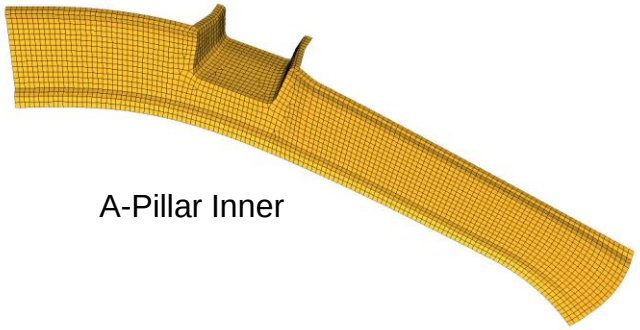


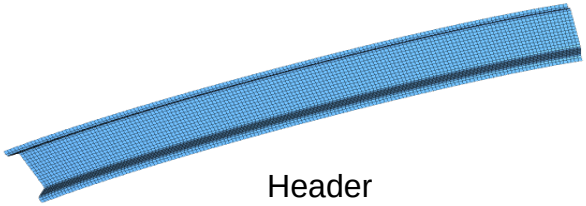
BSO Inner Parts



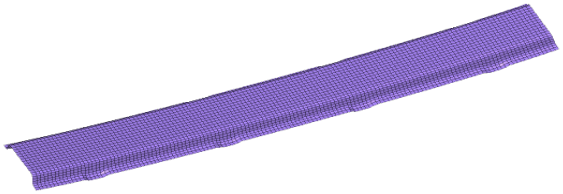
Roof Rail Inner



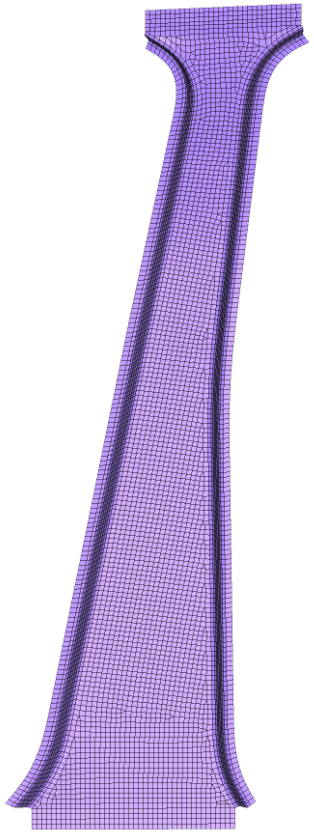
A-Pillar Inner



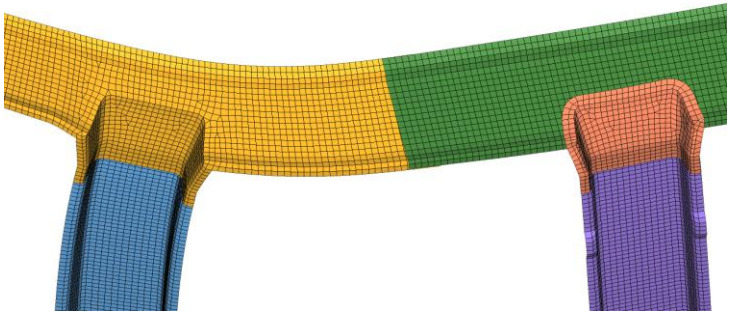
Header



Roof Bow



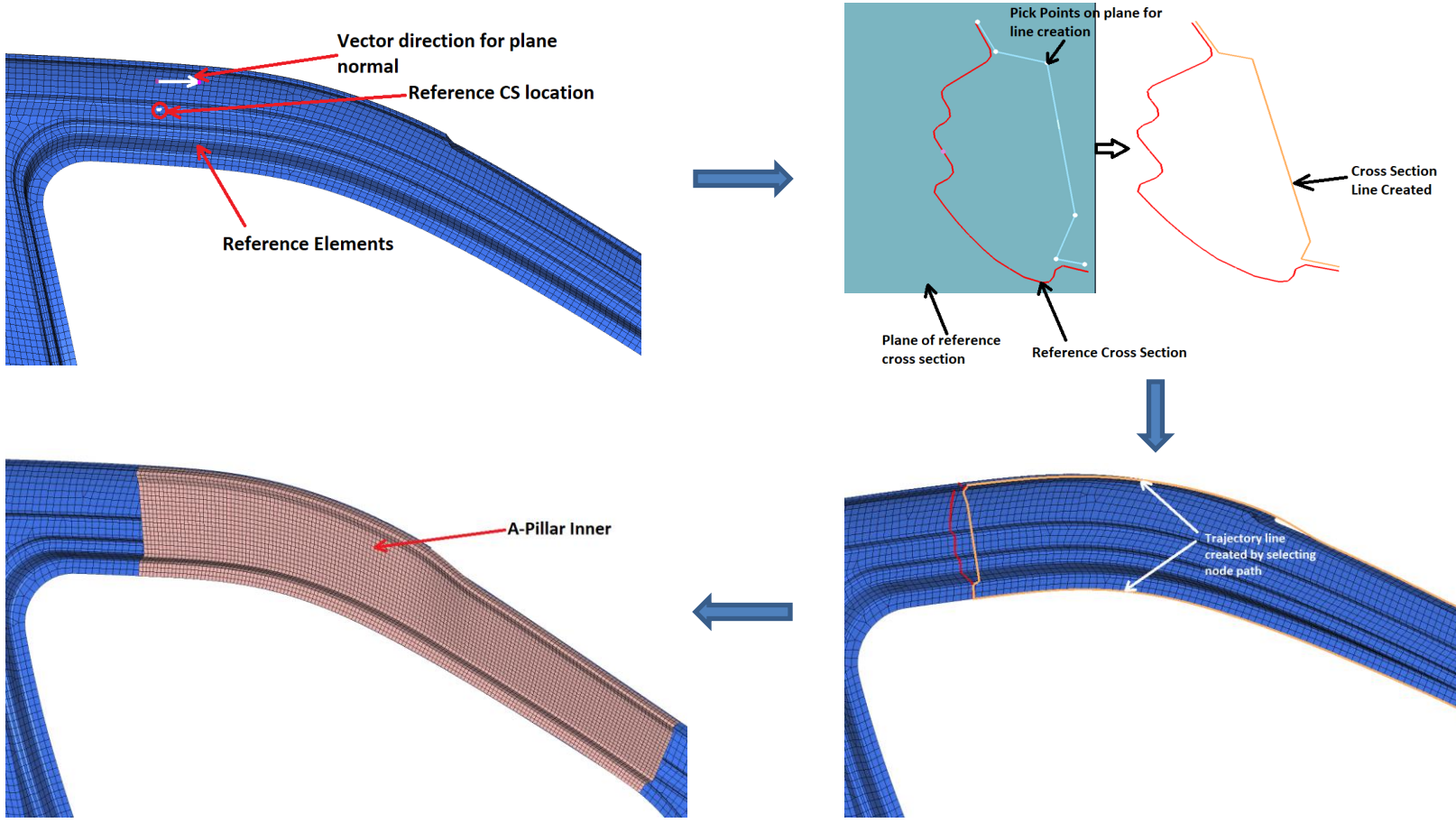
B-Pillar Inner

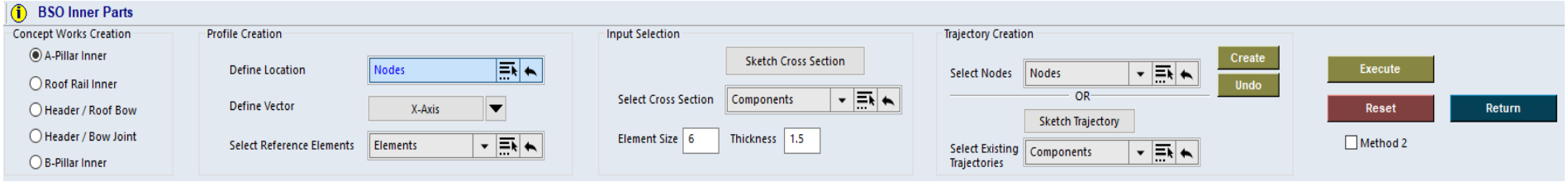


Header and Bow Joint

BSO Inner Parts

A-Pillar Inner

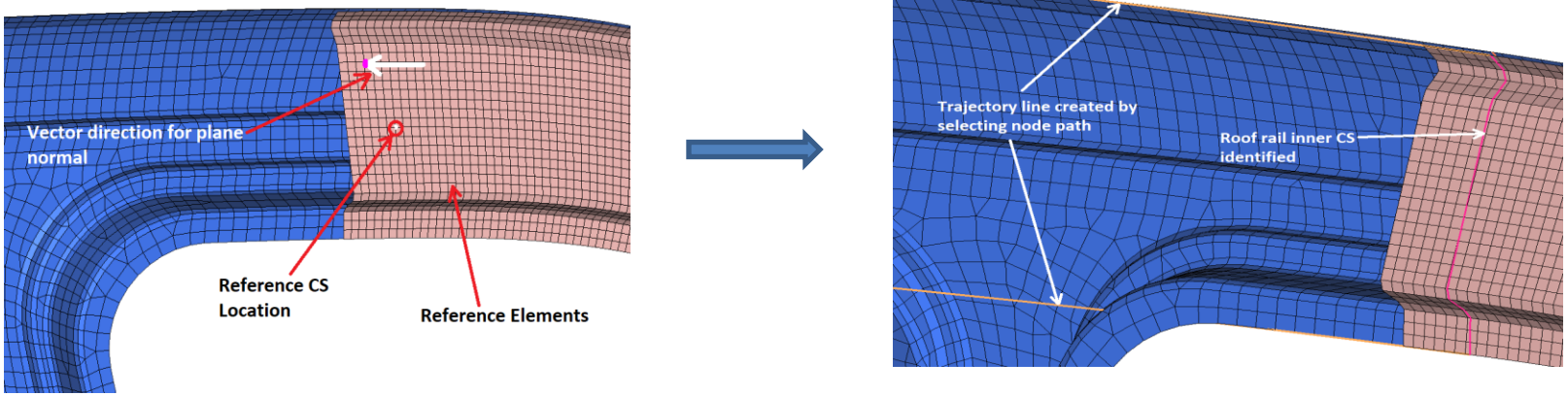


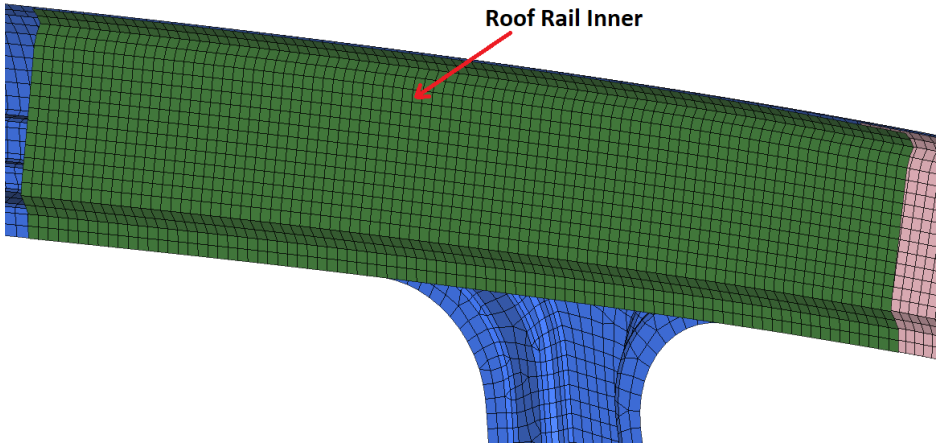


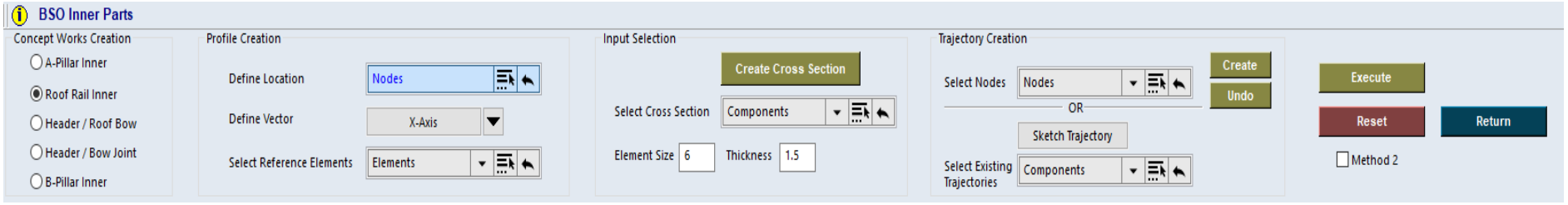
BSO Inner Parts

DEP MeshWorks

Roof Rail Inner

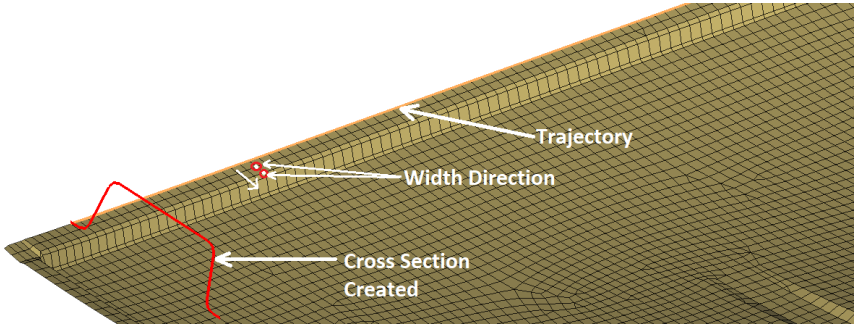


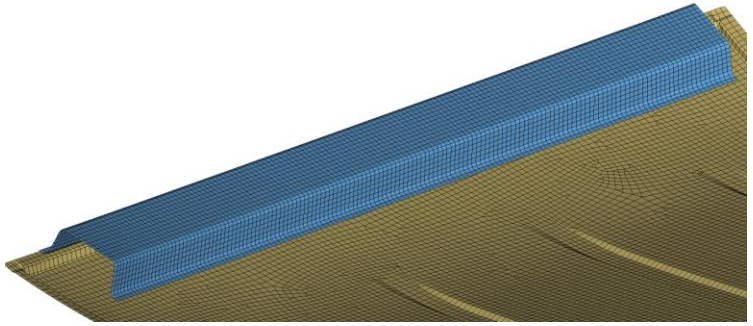


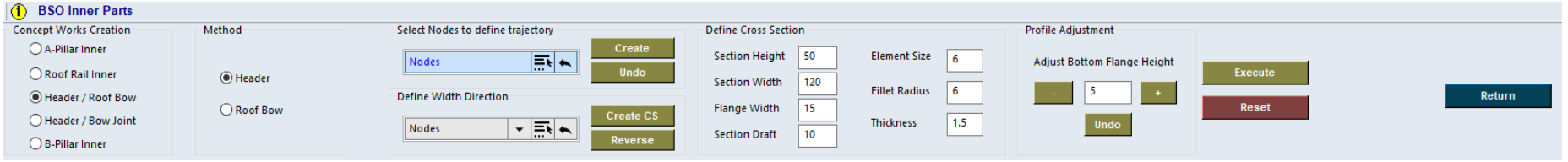


BSO Inner Parts

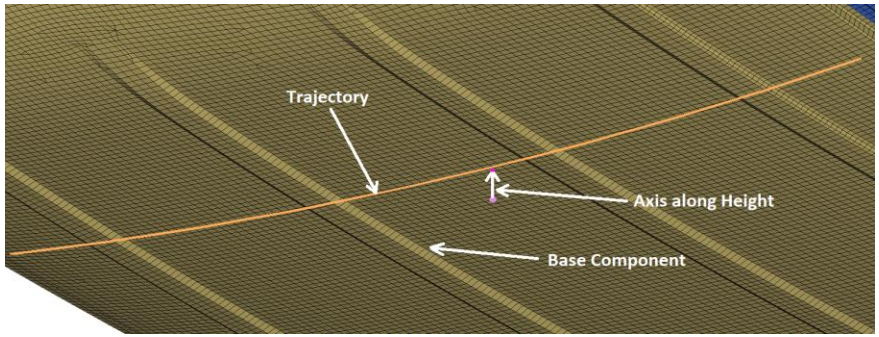
Header Creation

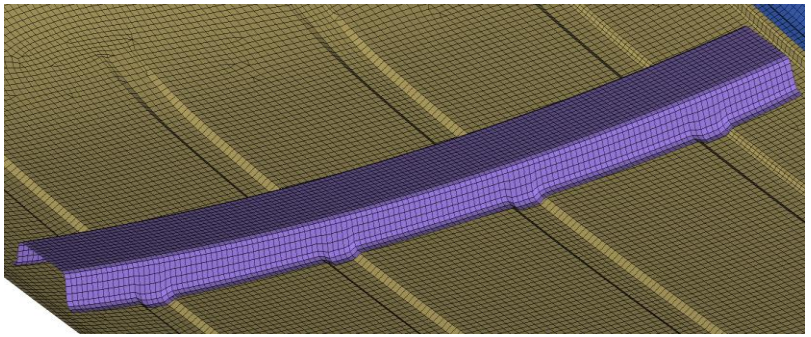


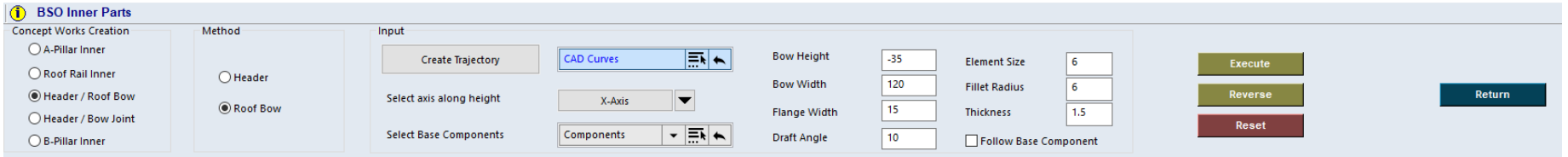




Roof Bow Creation

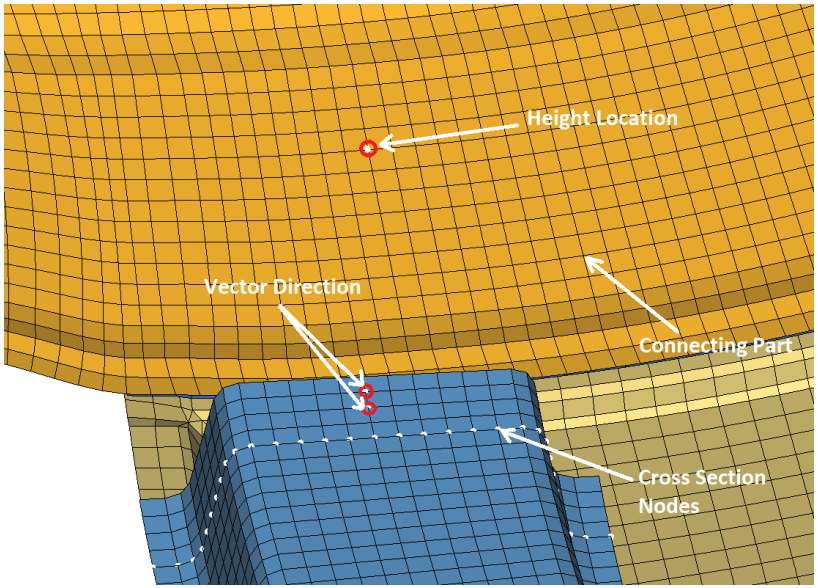




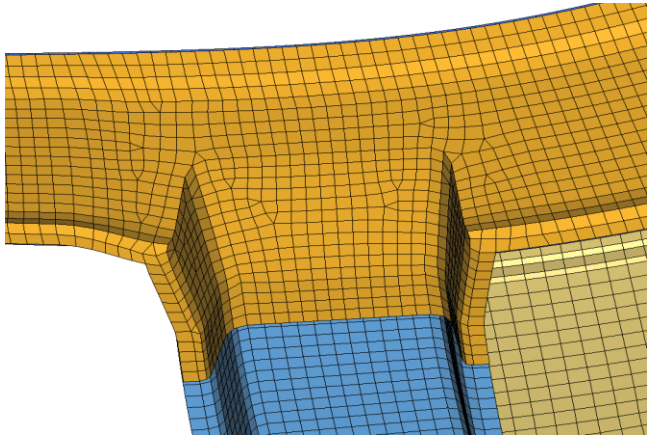


BSO Inner Parts

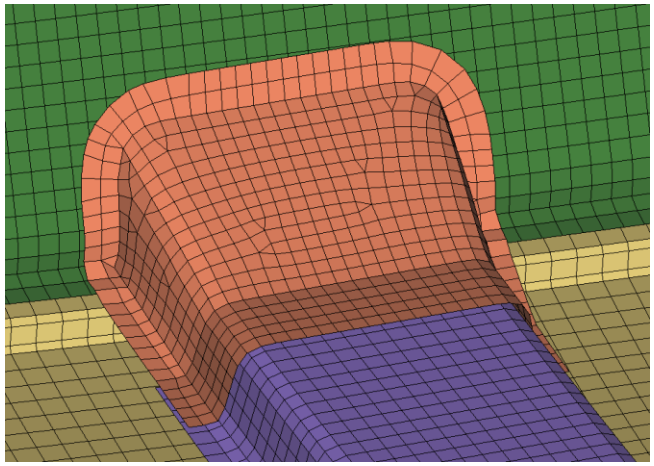
Header / Bow Joint

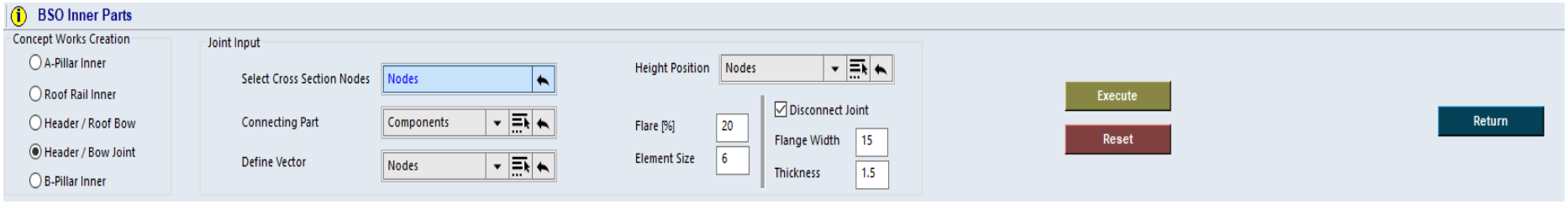


Disconnect Joint



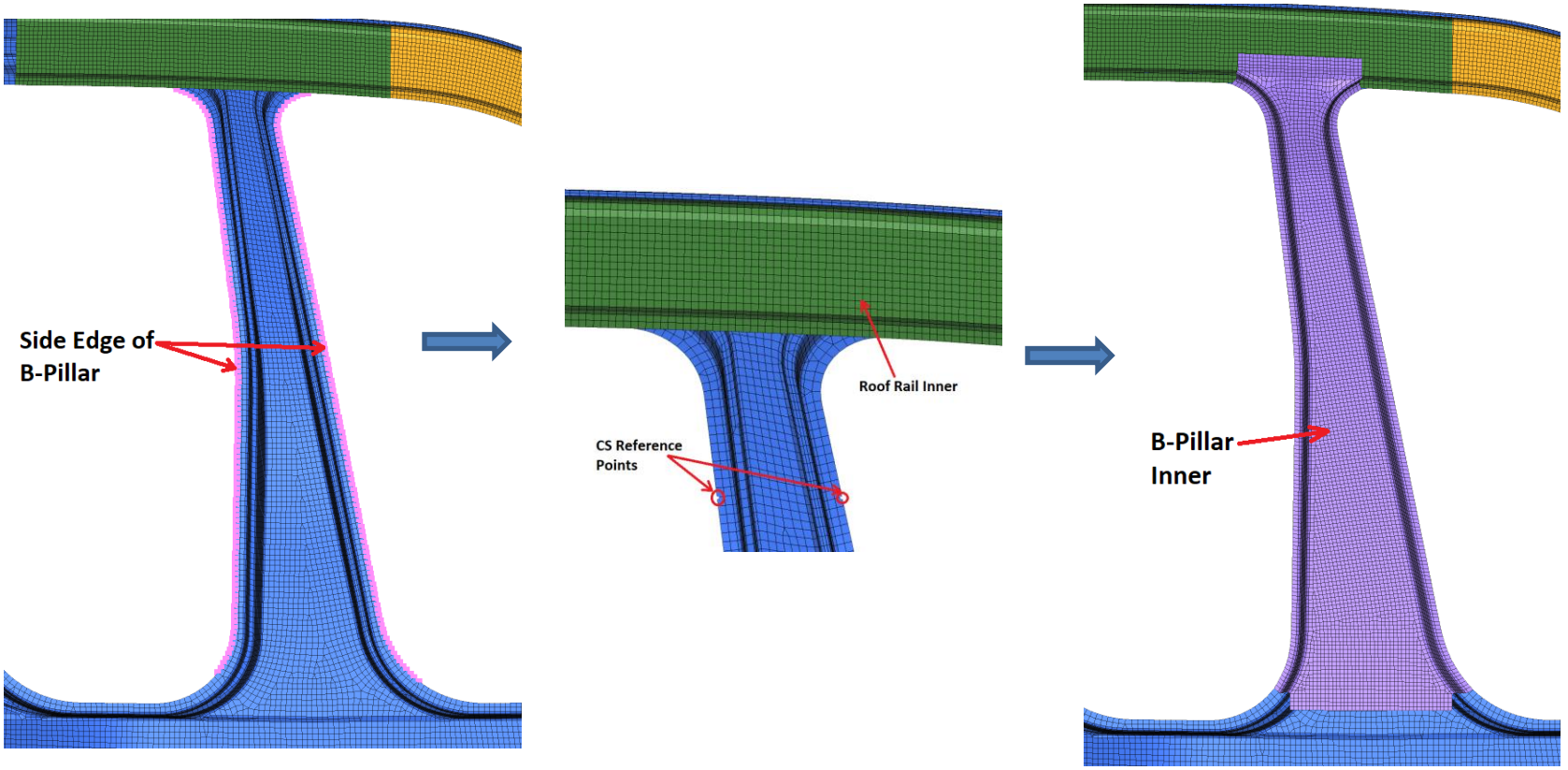
Disconnect Joint

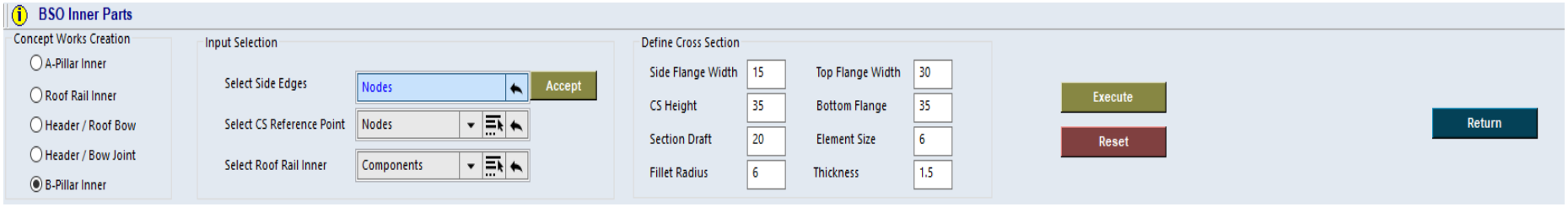




BSO Inner Parts

B-Pillar Inner

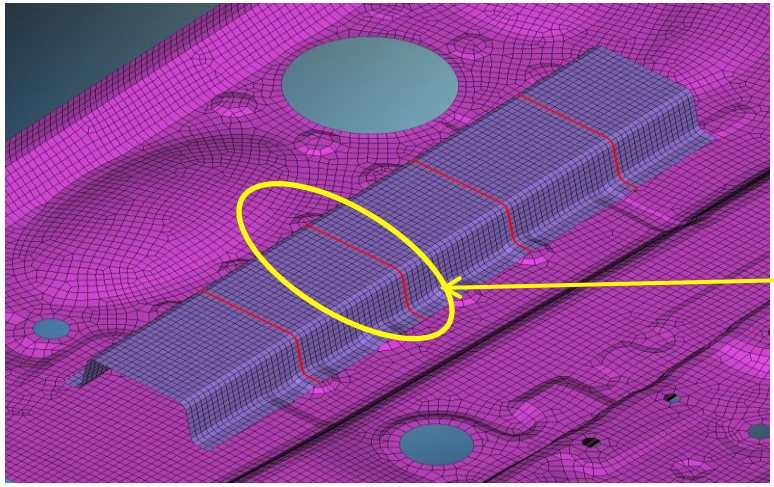




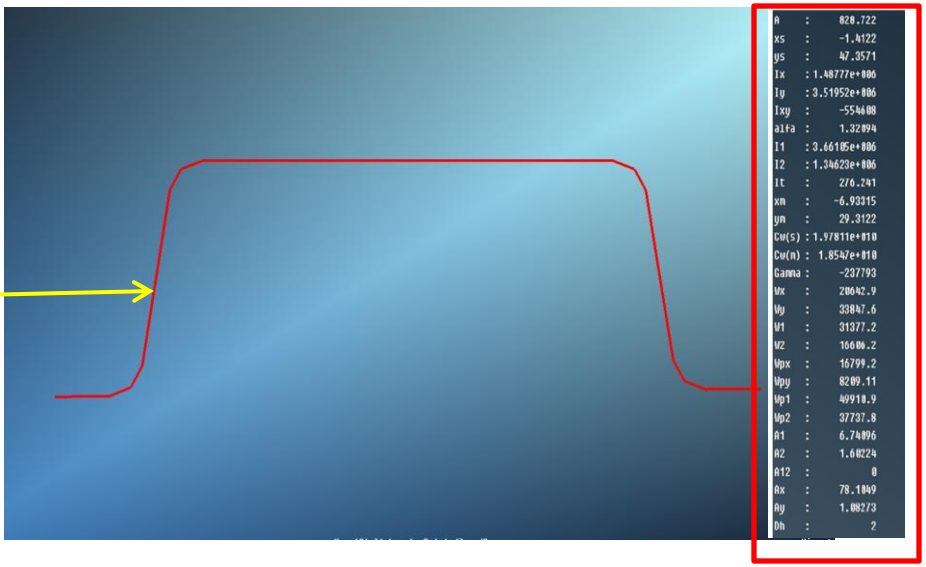
Section Change

DEP MeshWorks

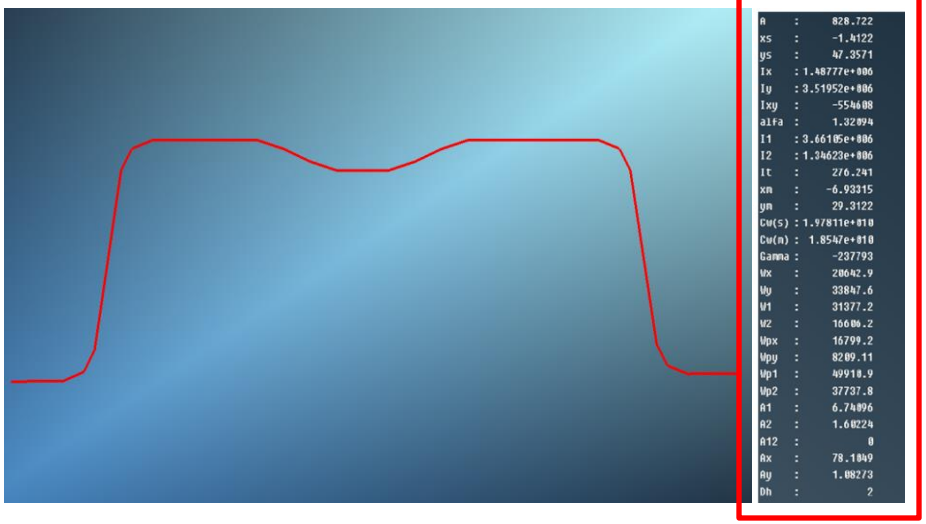
1. Member Created using concept works



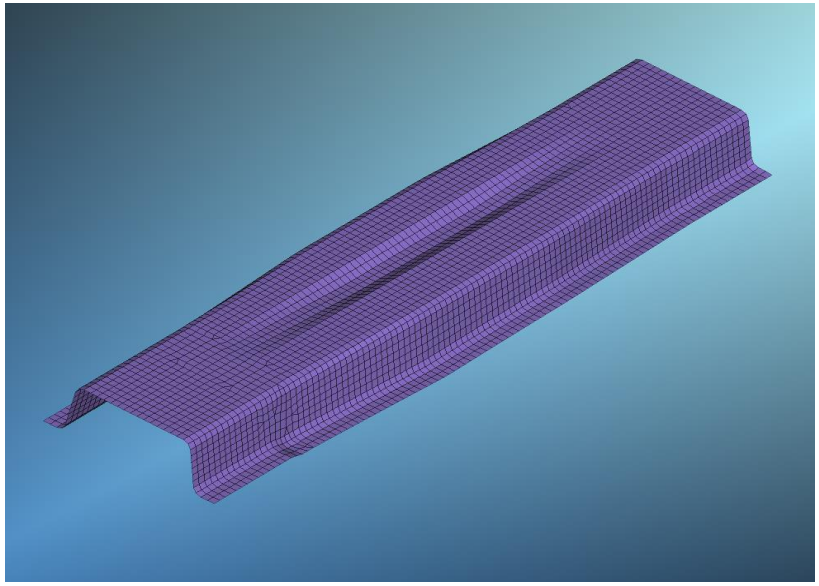
2. Extracting Sections at required positions



3. Section changes done based on various aspects

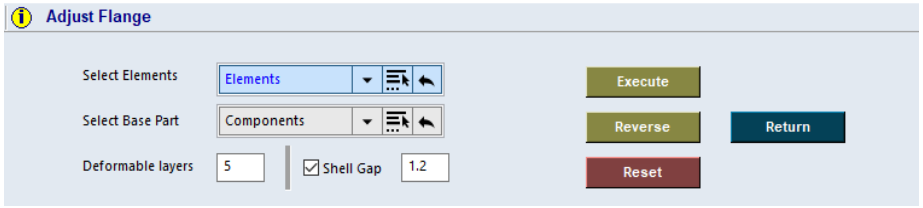


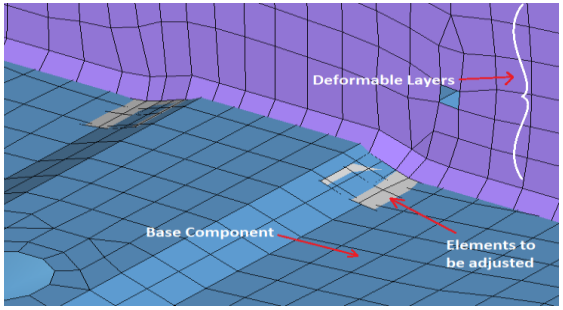
4. Member gets updated instantly

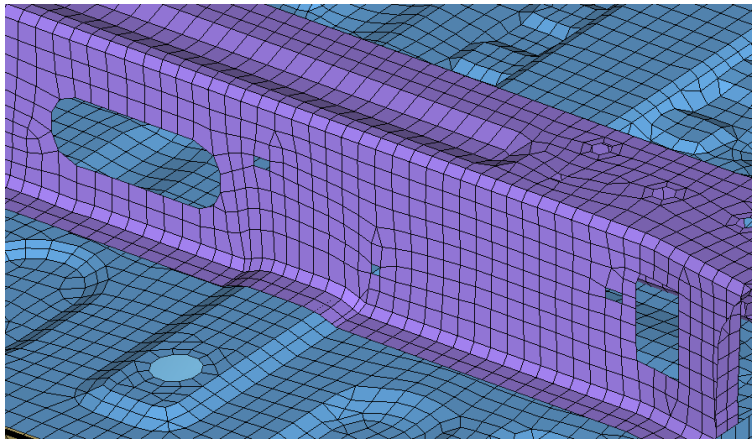


Adjustments

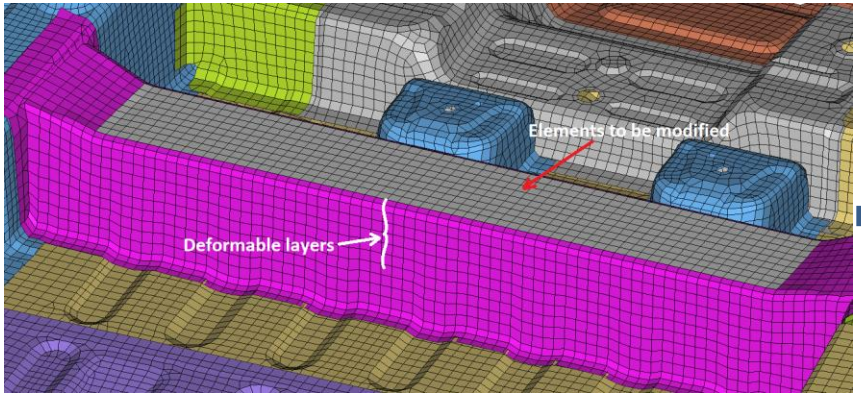
Adjust Flange

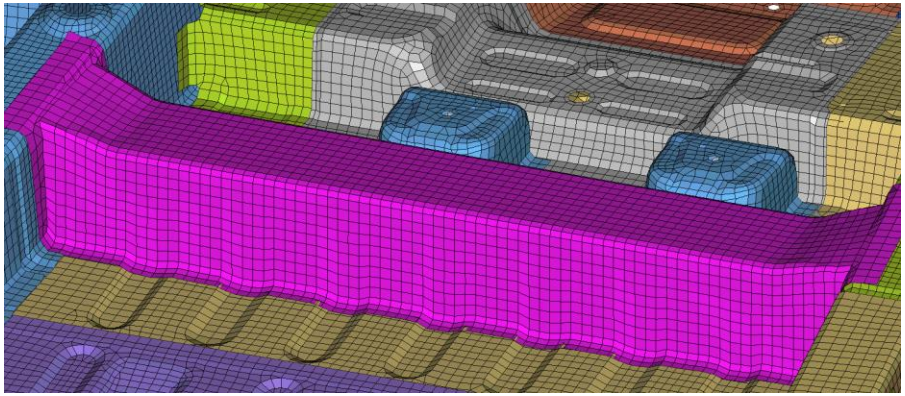


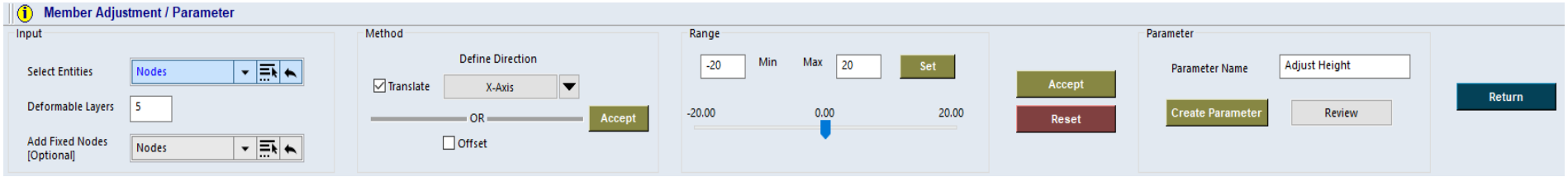




Member Adjustments / Parameterization



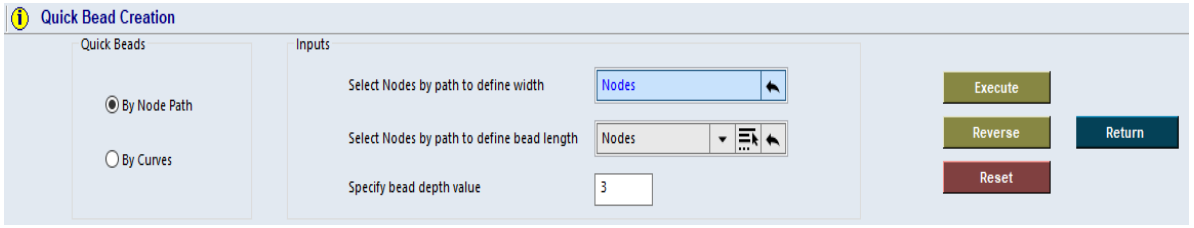


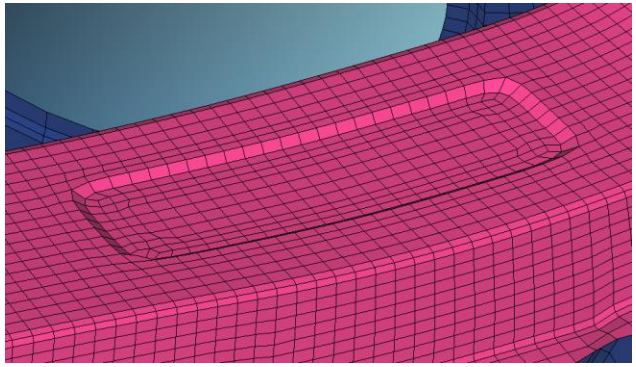


Special Features

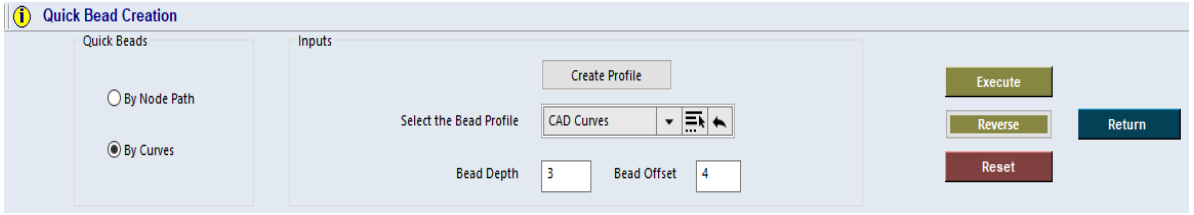
DEP MeshWorks

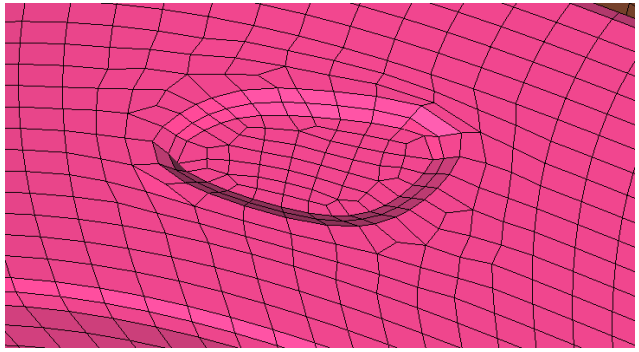
Quick Beads: By Node Path



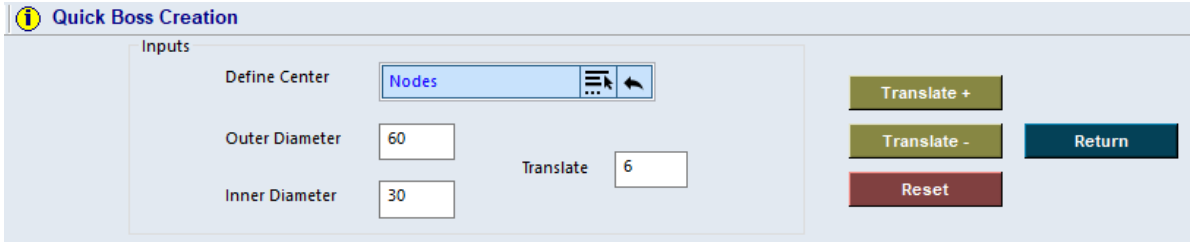


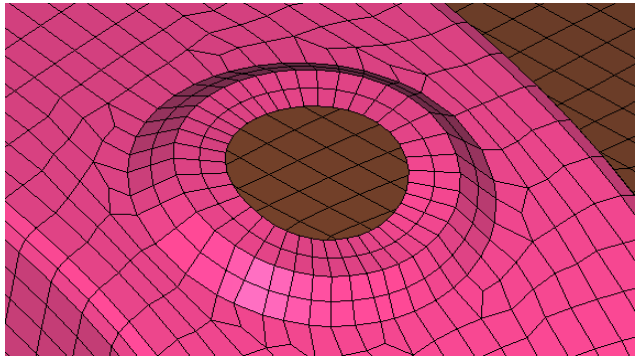
Quick Beads: By Curve





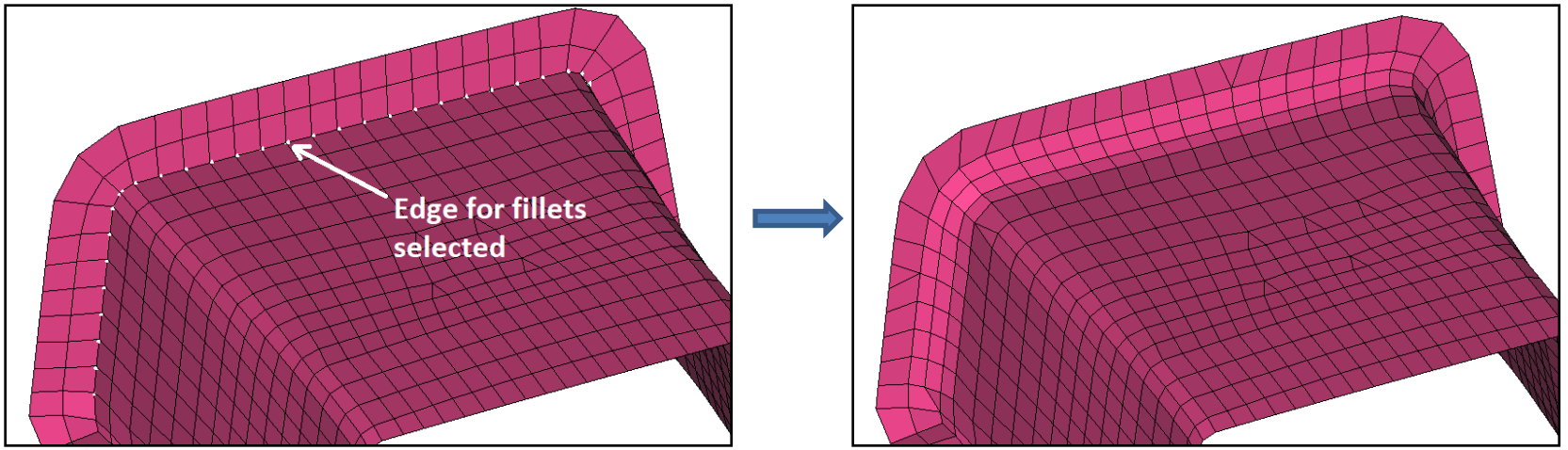
Quick Boss





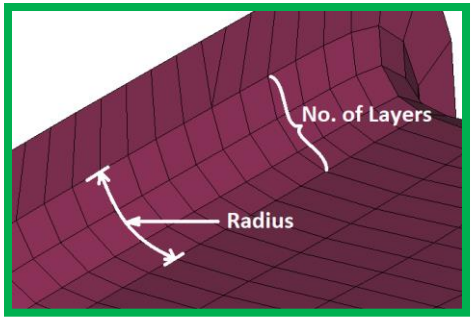
Special Features

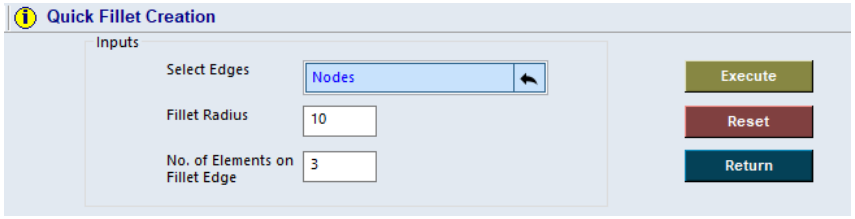
Quick Fillets



Input

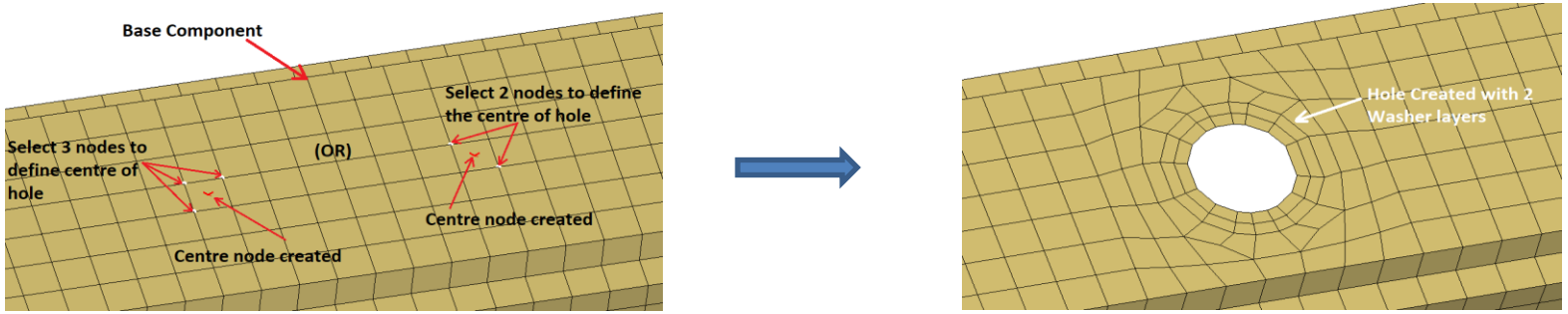
Output

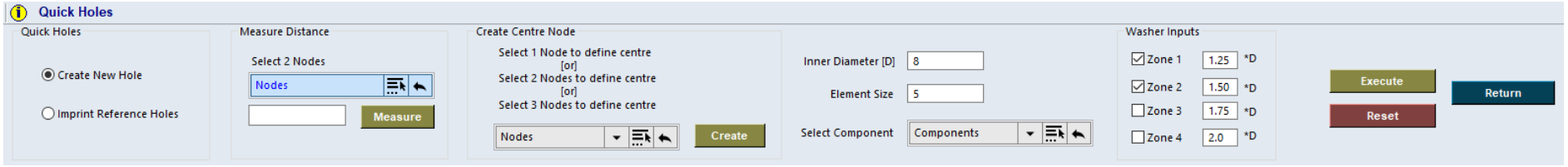




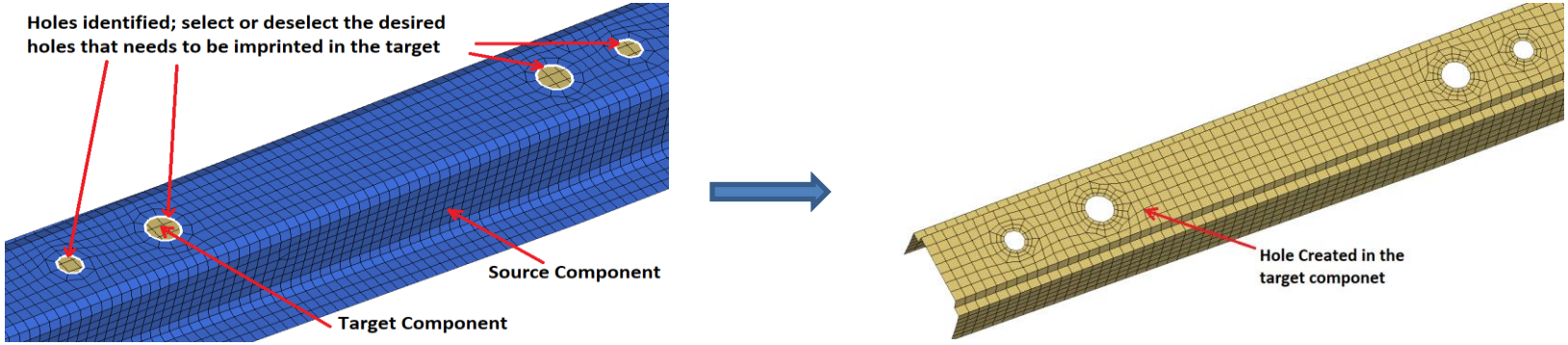
Special Features

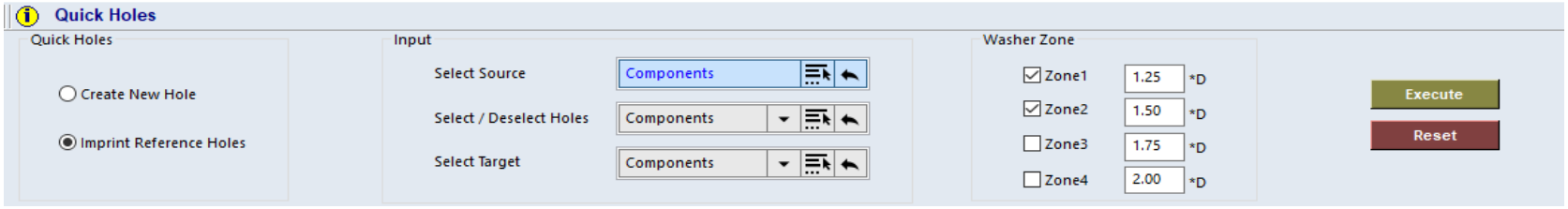
Quick Holes: Create New Holes





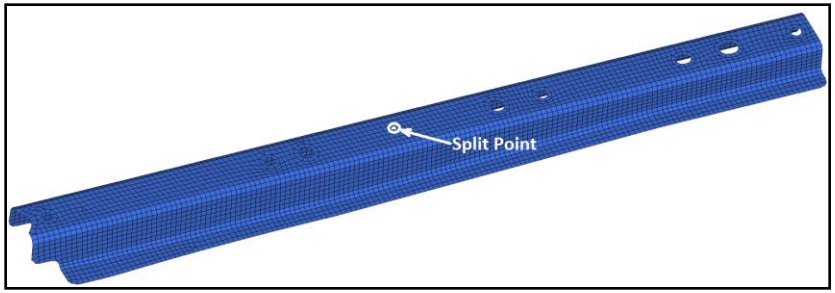
Quick Holes: Imprint Reference Holes

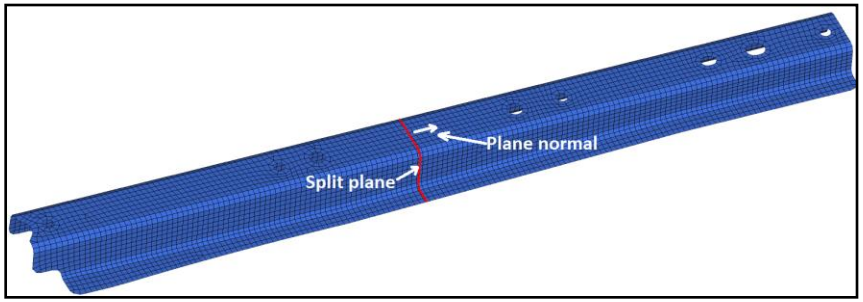




Special Features

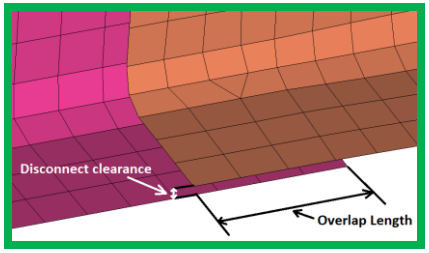
Quick Split

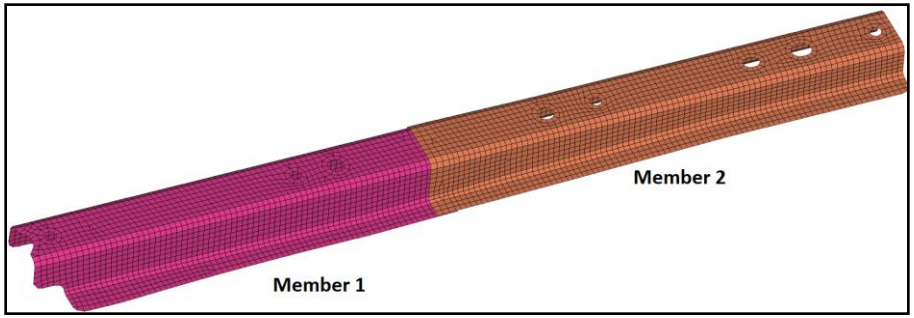




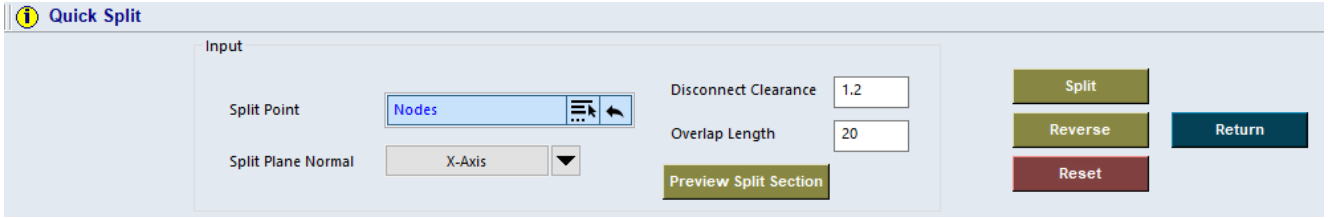
Input

Preview Split Section

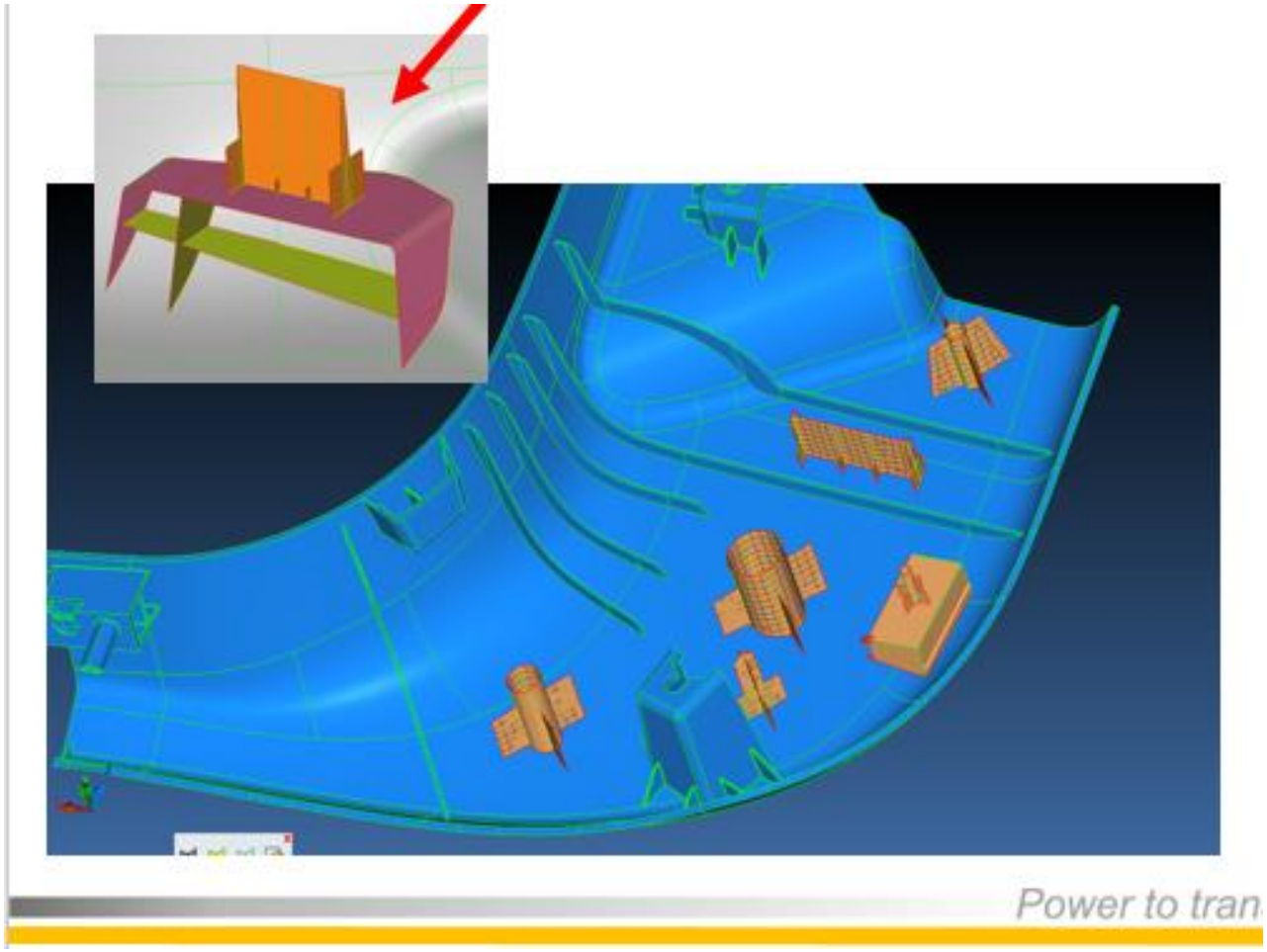




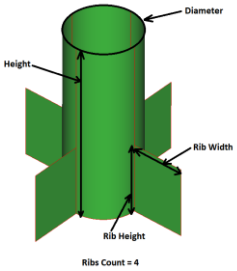
Output



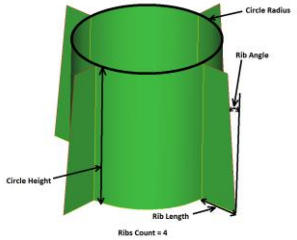
塑料部件卡扣库



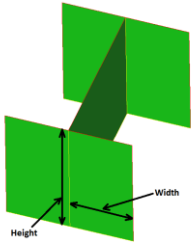
Heat Stacks



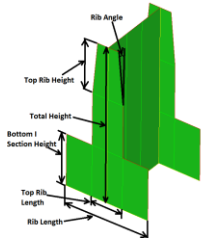
Locator



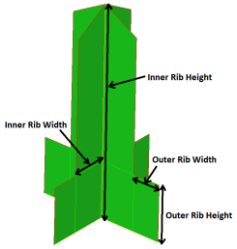
Clip I - Section



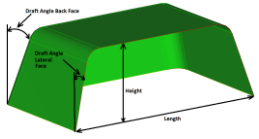
Clip Tower



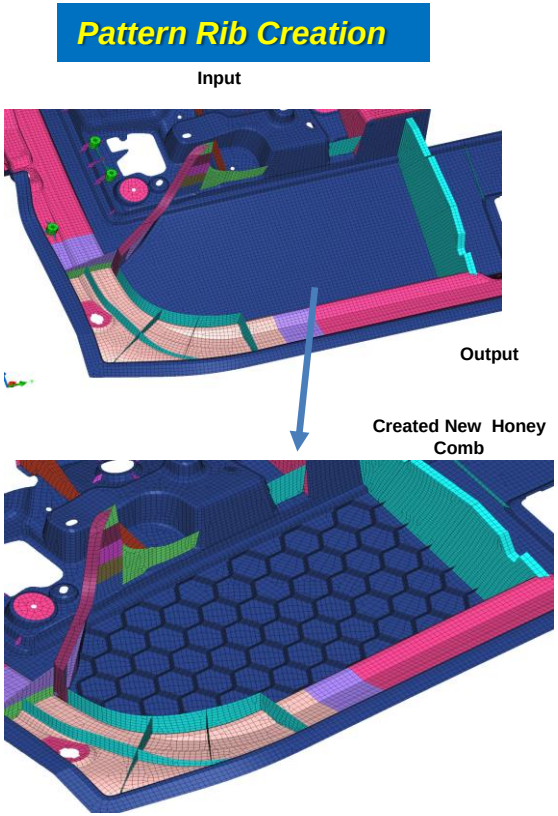
Locator Pin

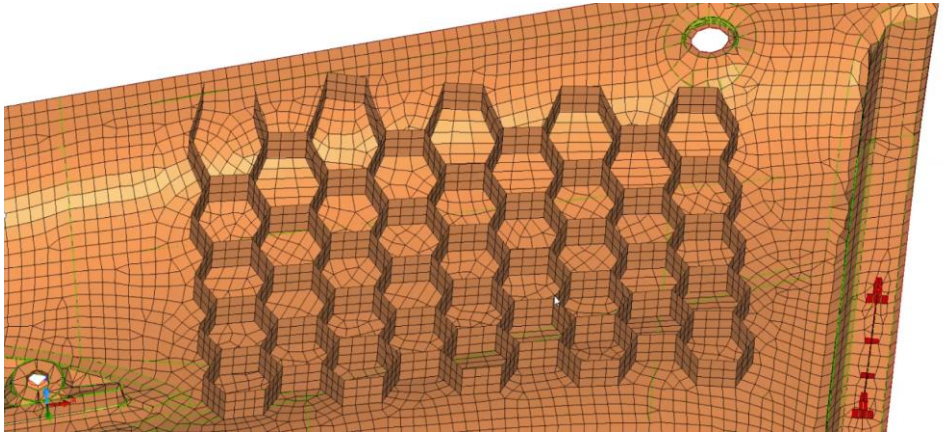


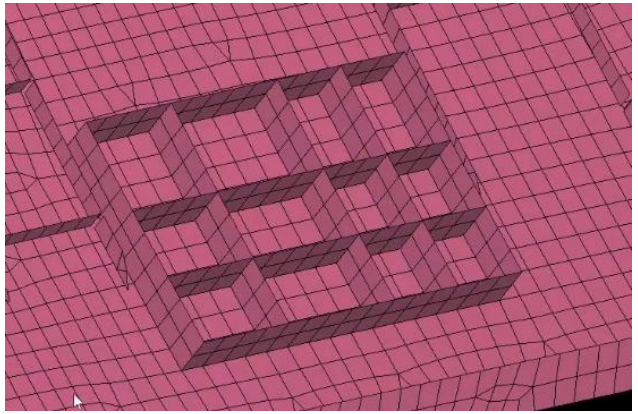
Dog House Base Feature



创建蜂窝状&2D肋筋







依据拓扑优化结果创建3D实体梁