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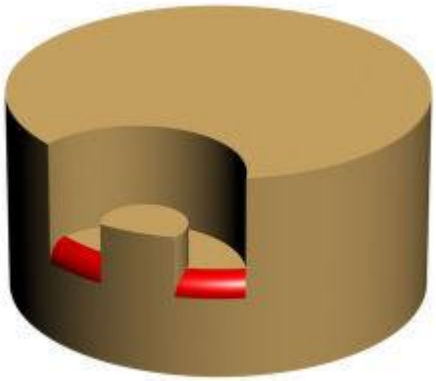
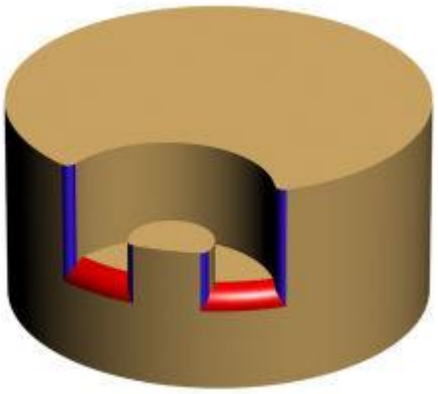
Filleting White Paper

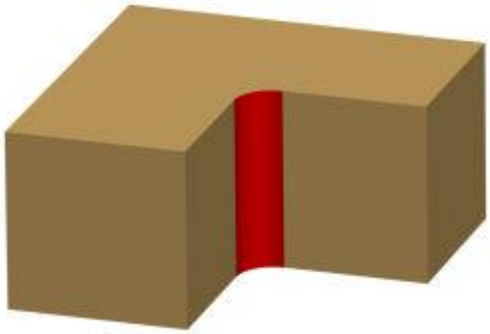
Filleting is a critical step in the design process for most solid objects. This white paper demonstrates a subset of the filleting functionality available in SOLIDS++. See examples of the following:

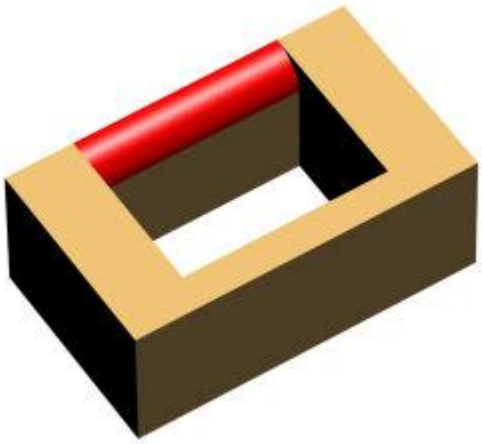
- Convex Edge Filleting
- Closed Loop Filleting
- Filleting Into Tangency
- Variable Radius Filleting
- Unusual Corner Cases
- Linear Fillets (Chamfers)
- Non-Solid Filleting
- Fillet to Zero Radius
- Large Radius Filleting
- Higher Order Continuity Filleting

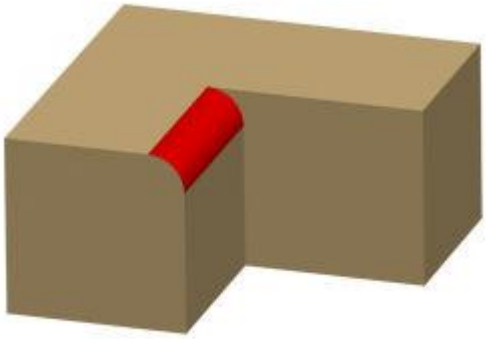
Convex Edge Filleting



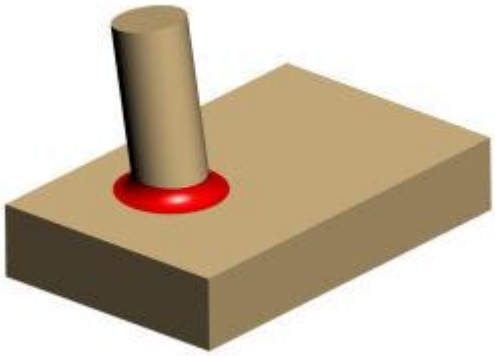


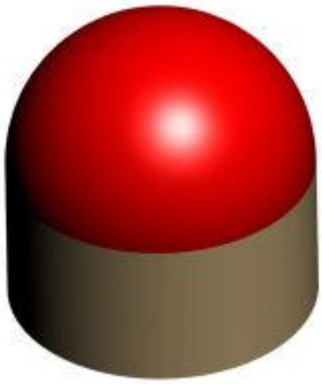


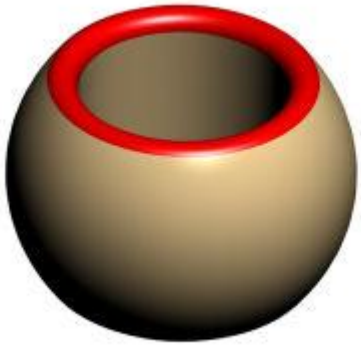


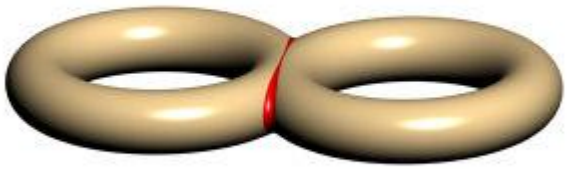


Closed Loop Filleting

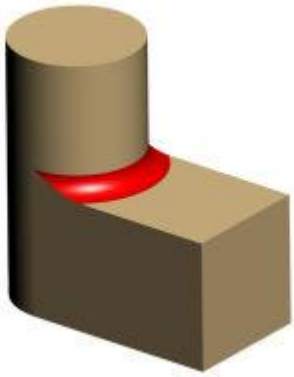


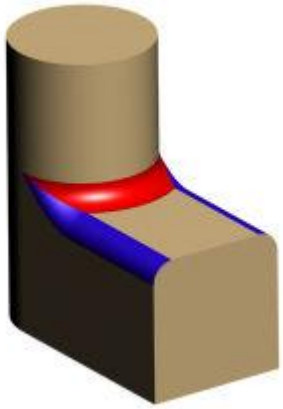


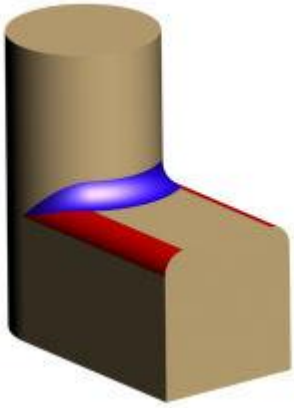


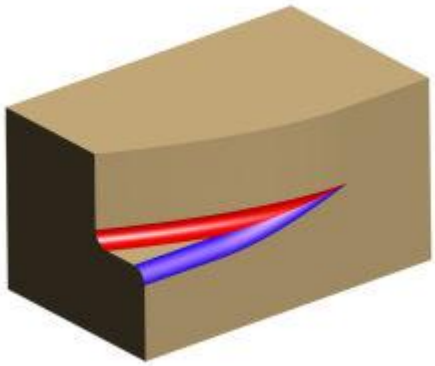


Filleting Into Tangency

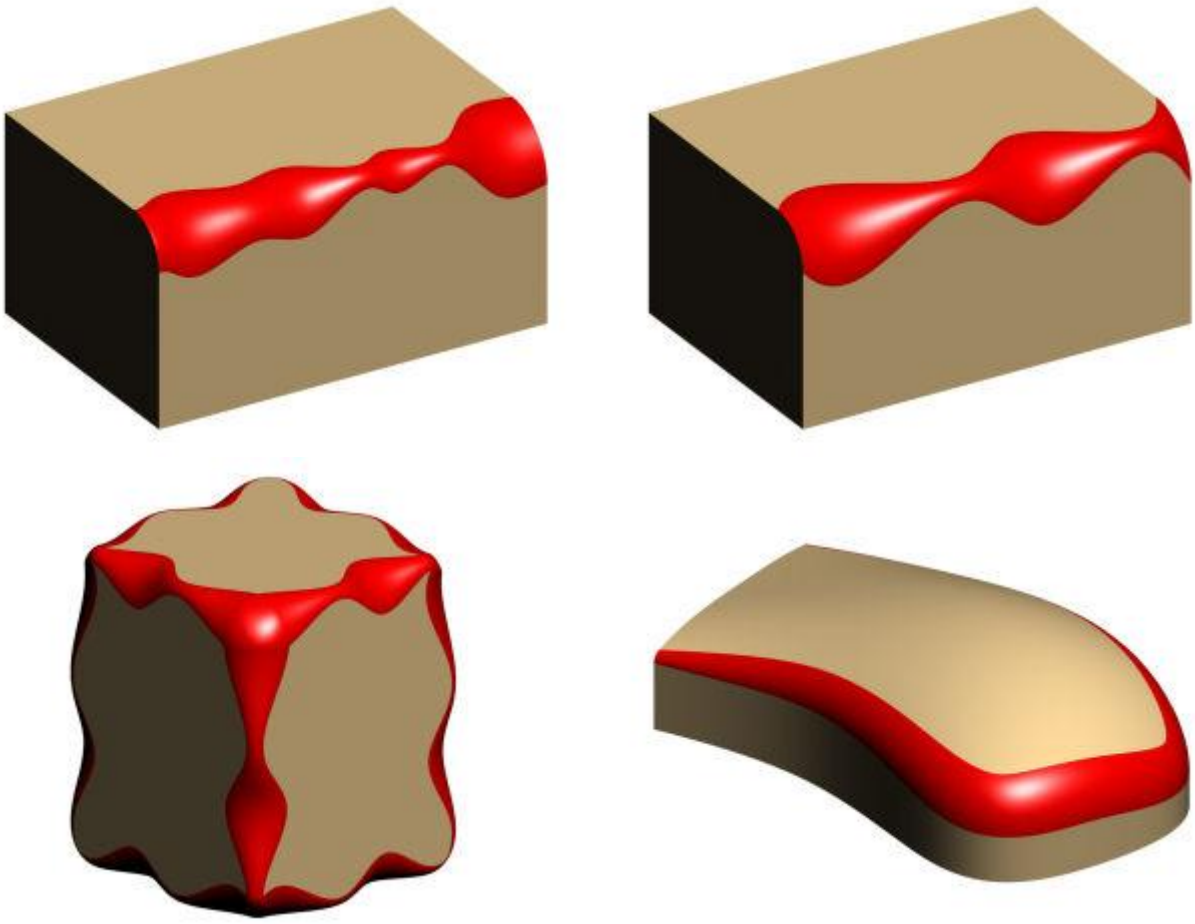




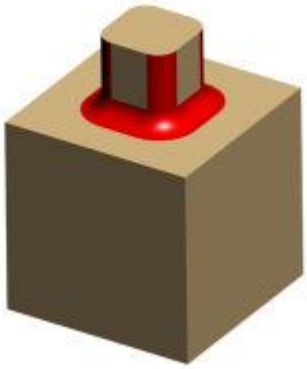


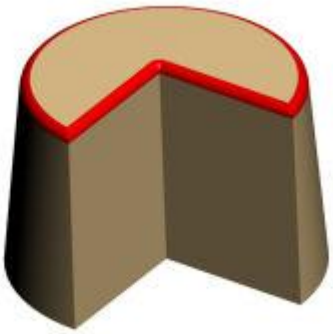


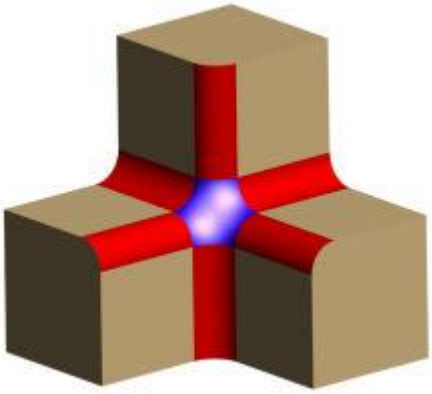
Variable Radius Filleting

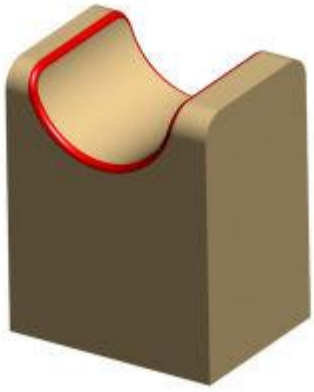


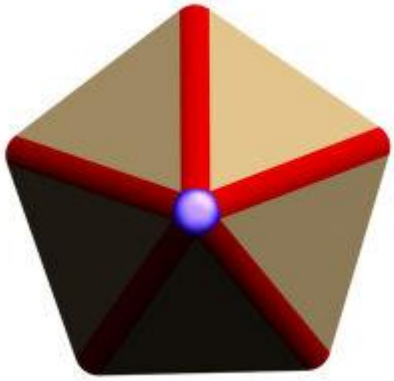
Unusual Corner Cases

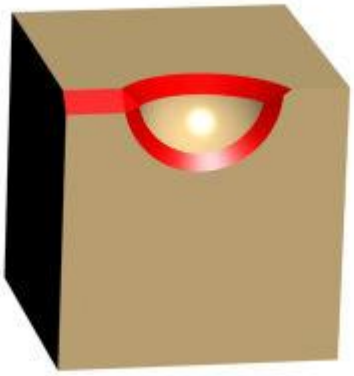




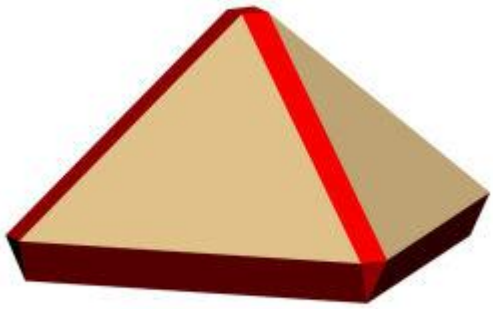


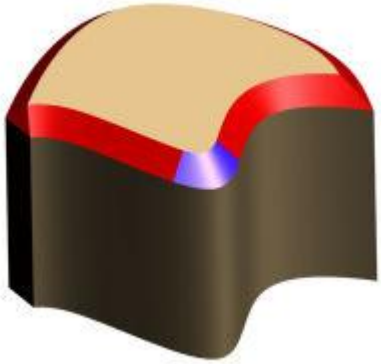


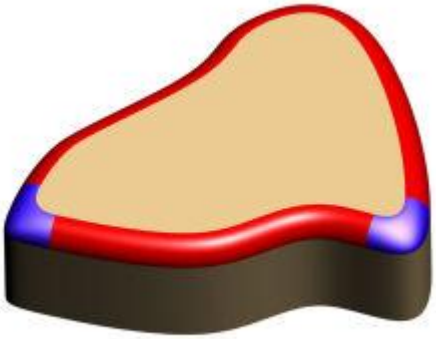




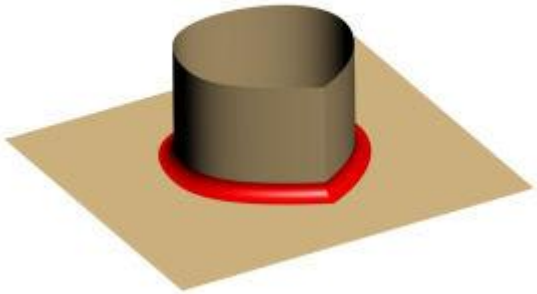
Linear Fillets (Chamfers)

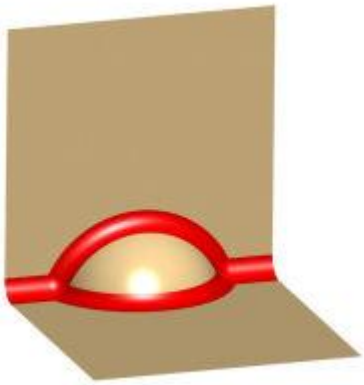


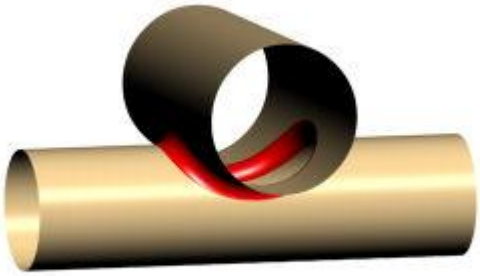




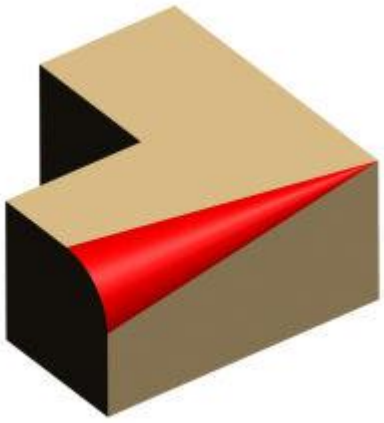
Non-Solid Filleting



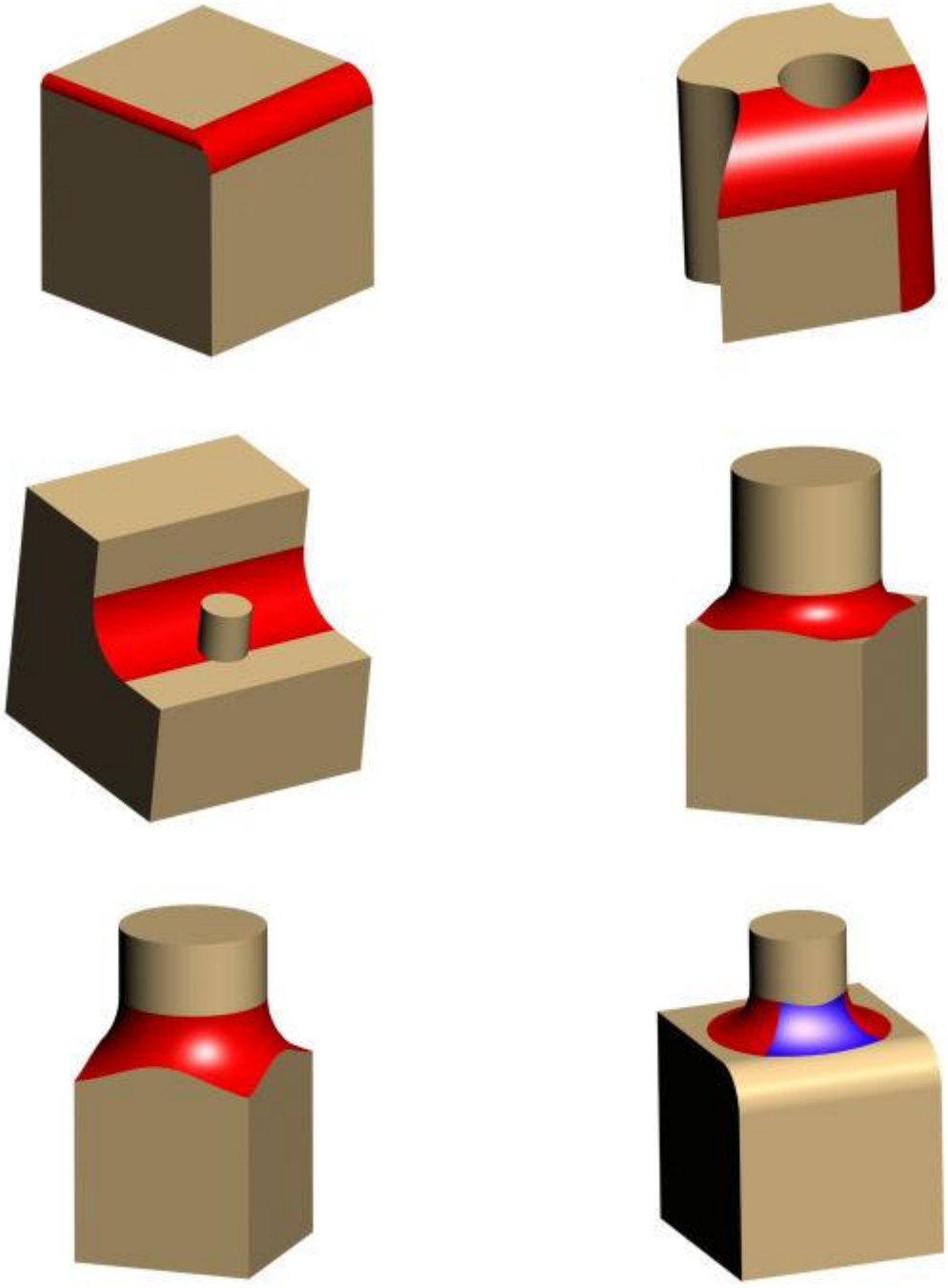


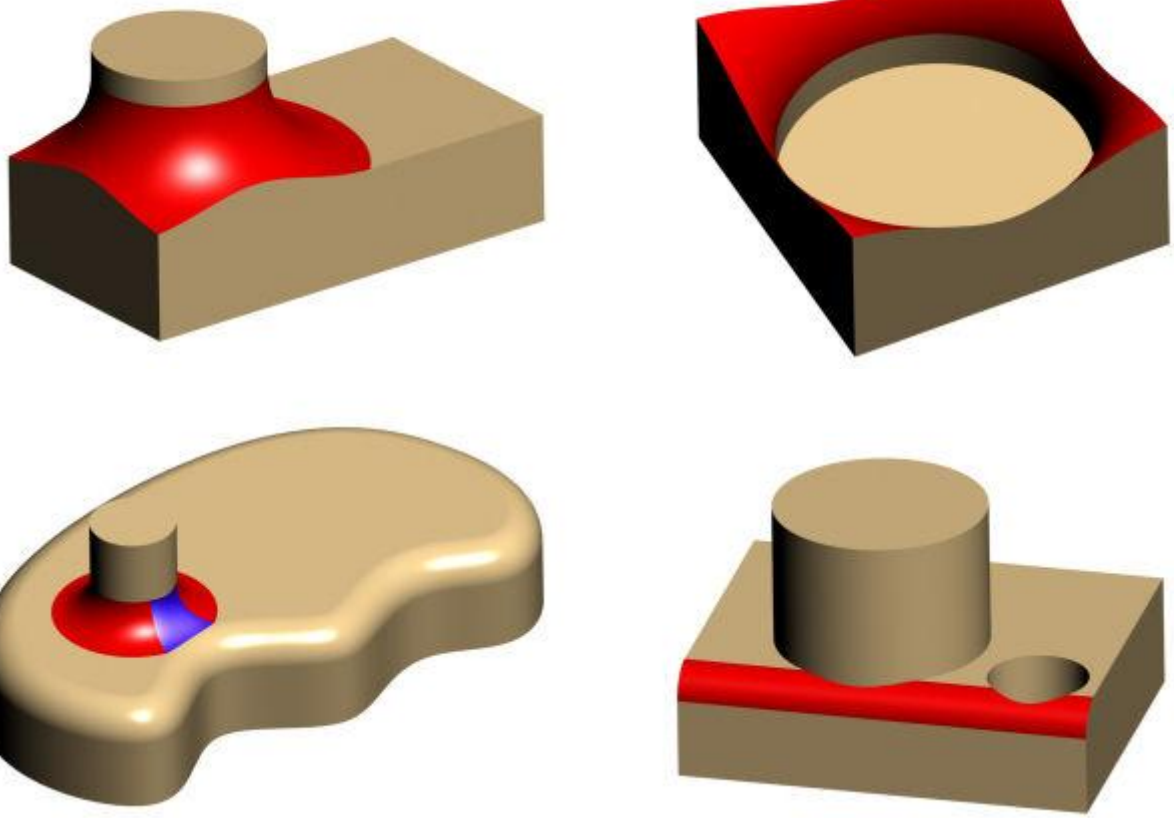


Fillet to Zero Radius



Large Radius Filleting



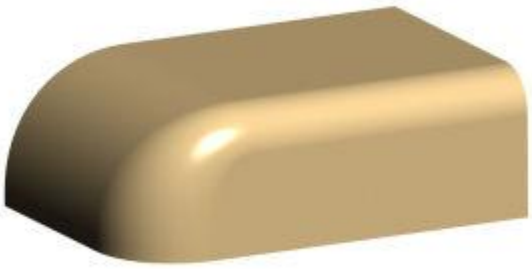


Higher Order Continuity Filleting

Circular Arc

G2 Continuity Fillet

G3 Continuity Fillet



Circluar Arc FIllet

G2 Continuity Fillet

G3 Continuity Fillet

Circular Arc Fillet

G2 Continuity Fillet

G3 Continuity Fillet