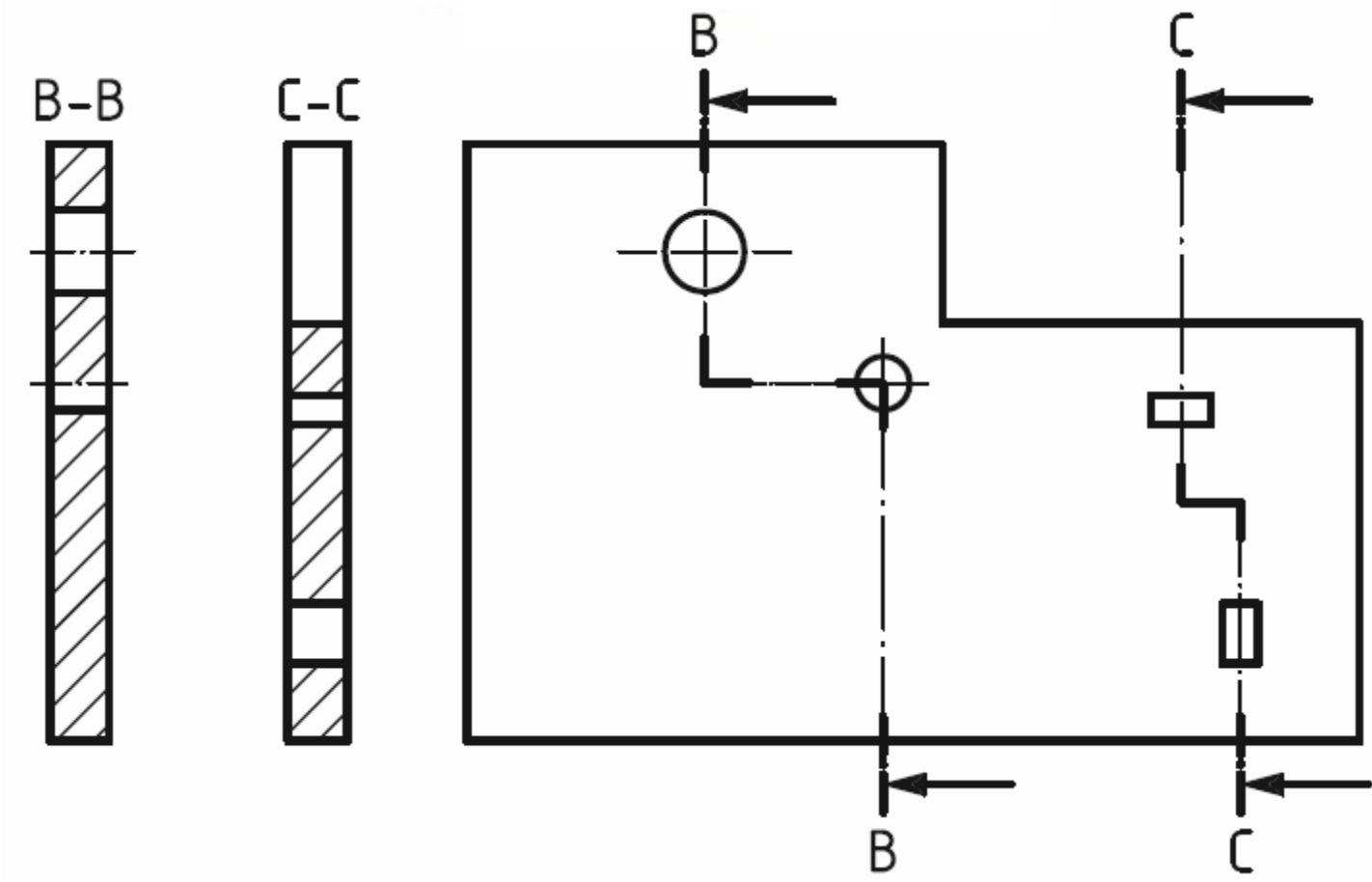


## *SEM0502 - DESENHO TÉCNICO MECÂNICO I*

*Aula 05 – Omissão de corte, seção e interrupção.*



# Linha de corte

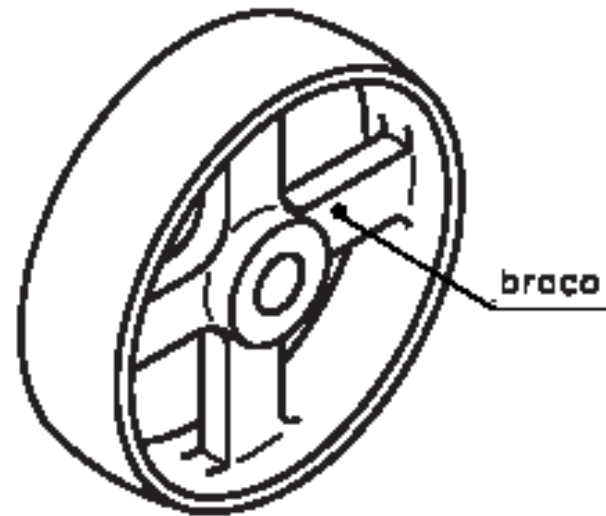
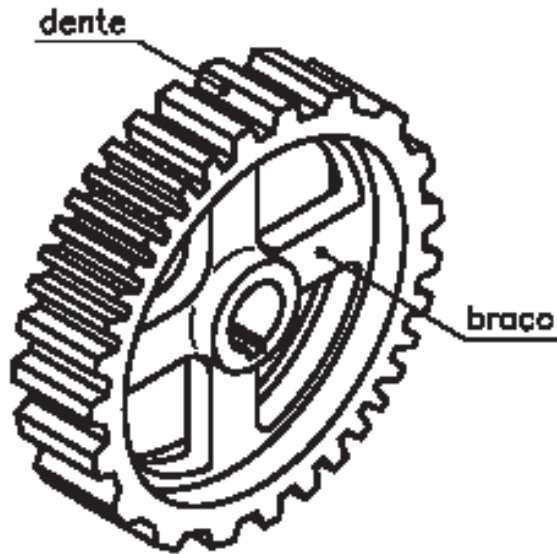
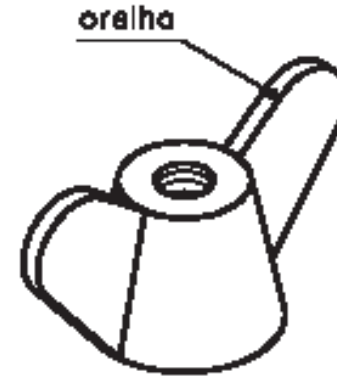
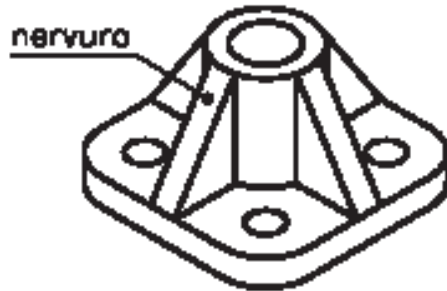


## OMISSÃO DE CORTE

Recurso utilizado para garantir a leitura de peças especiais quando representada em corte. É representada pela ausência de hachuras e é usada para destacar certos detalhes em corte como: nervuras, braços, orelhas, dentes de engrenagem.

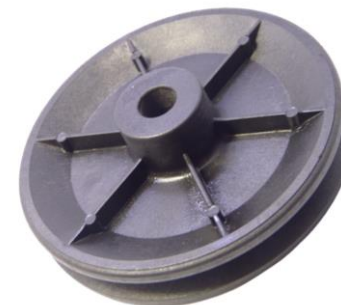


OMISSÃO DE CORTE - Exemplos

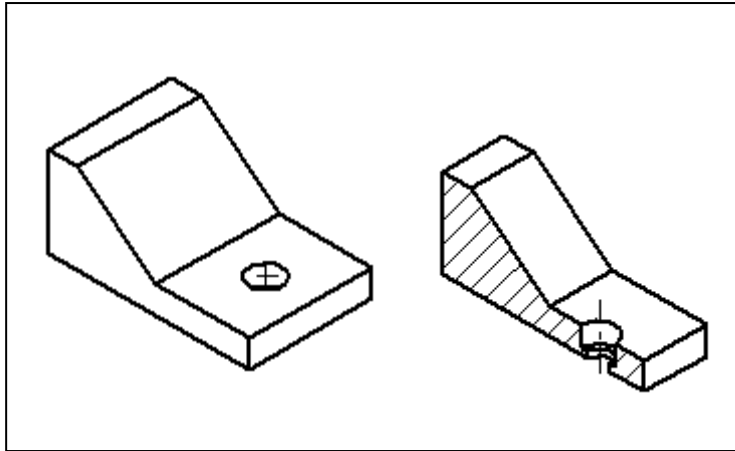


Fonte: Apostila Desenho Mecânico. Desenho com instrumentos. Convênio SENAI/São Paulo

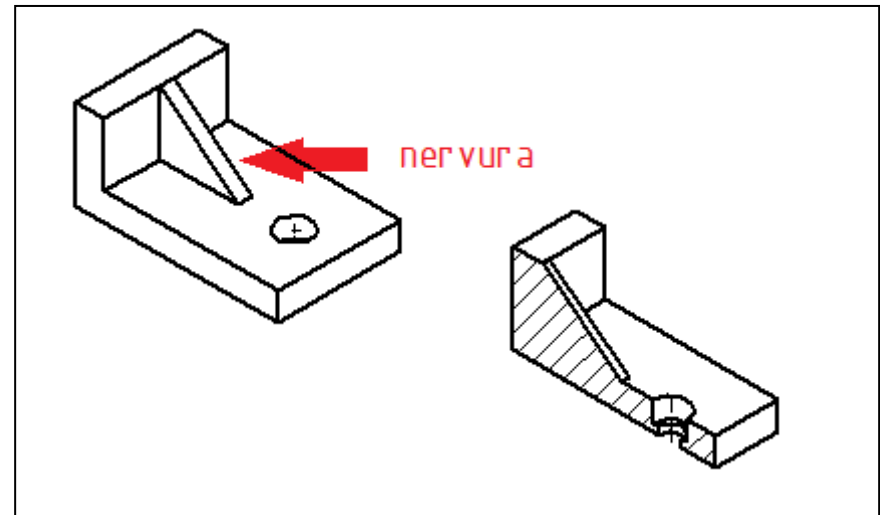
OMISSÃO DE CORTE - Exemplos



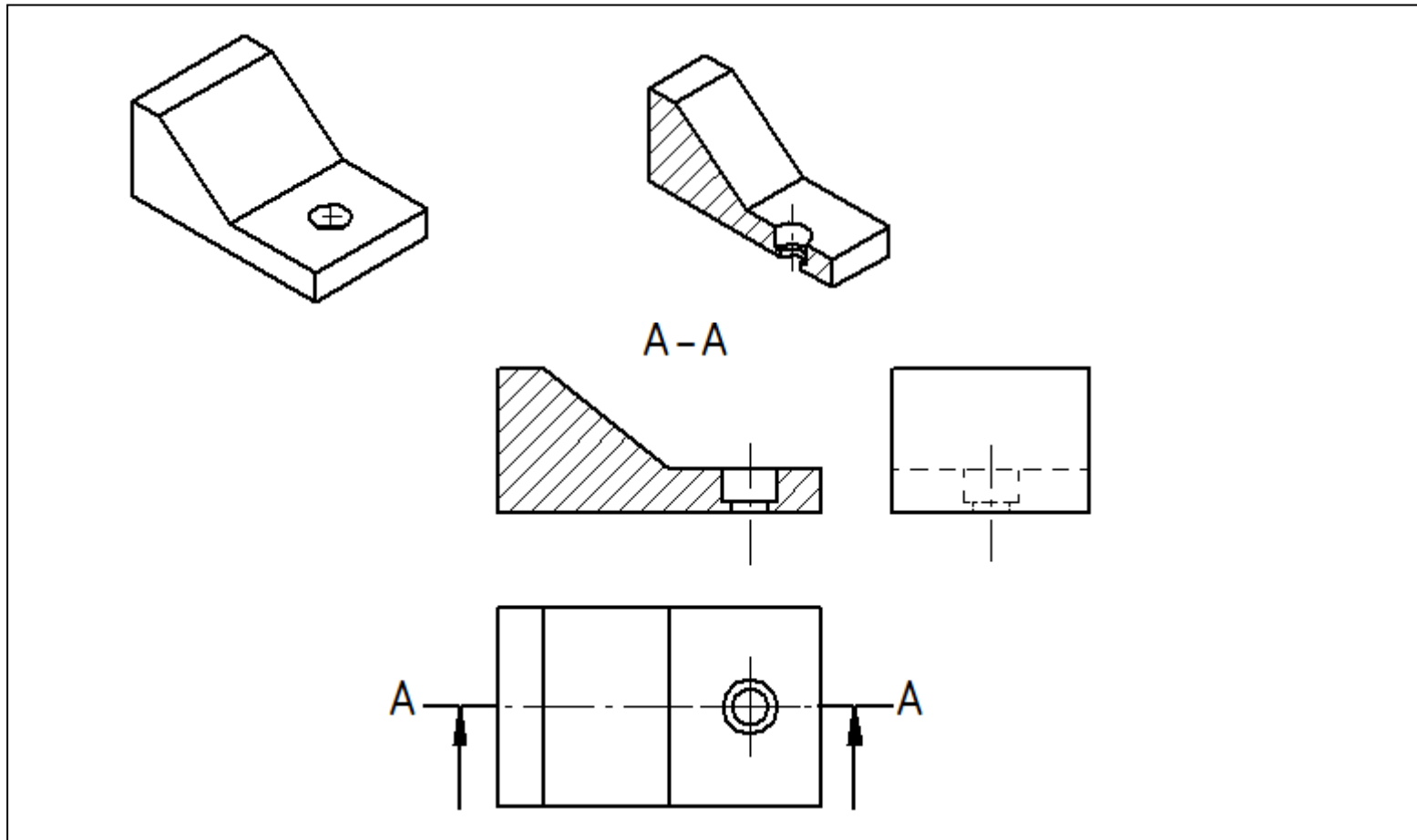
EXEMPLO DE PEÇA ONDE NÃO SE APLICA OMISSÃO DE CORTE



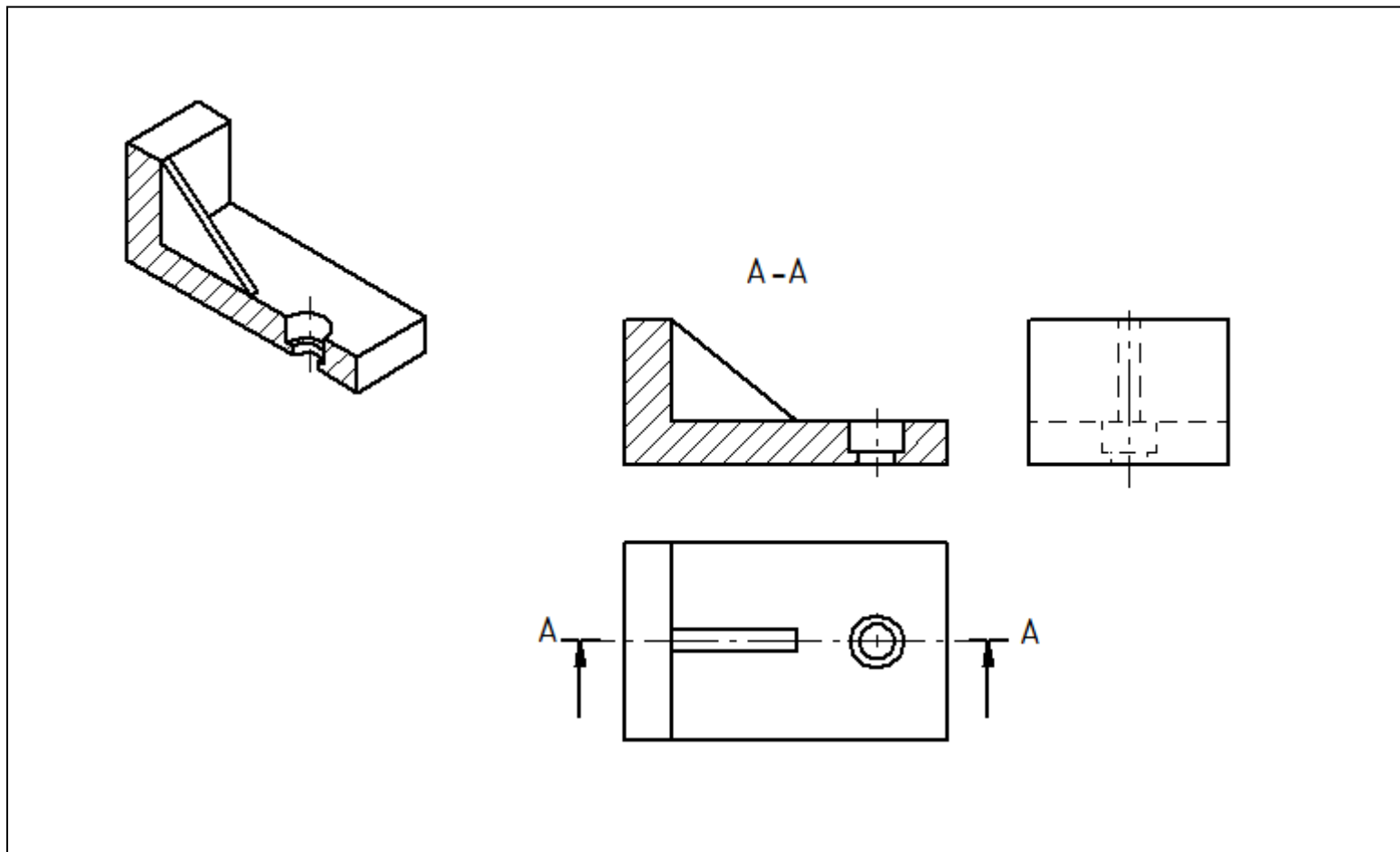
OMISSÃO DE CORTE - nervura



## EXEMPLO DE PEÇA ONDE NÃO SE APLICA OMISSÃO DE CORTE

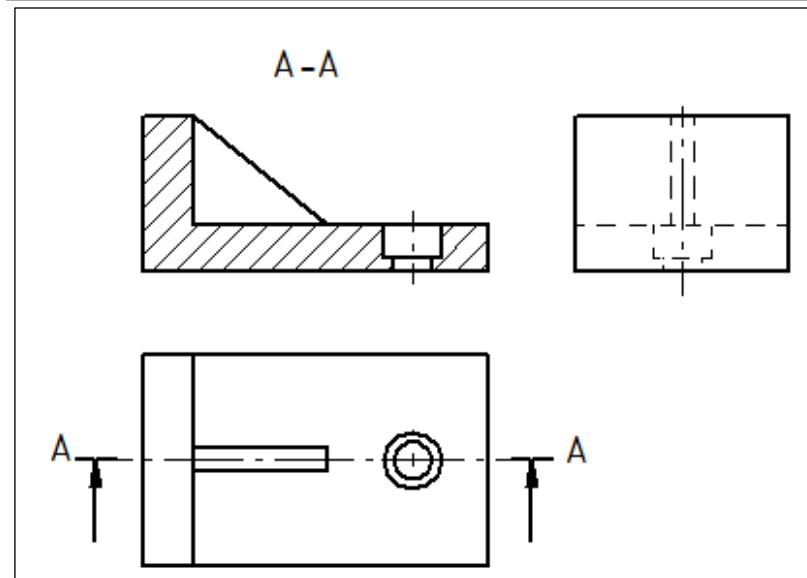
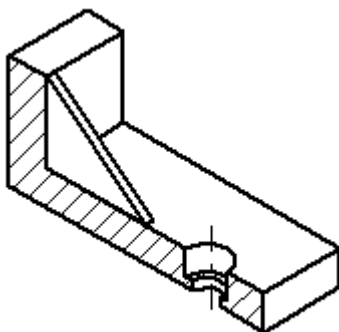
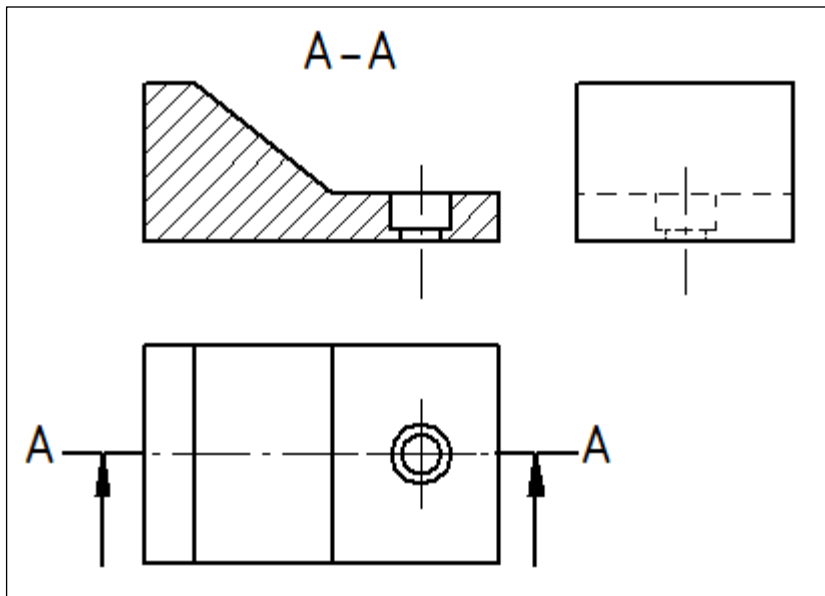
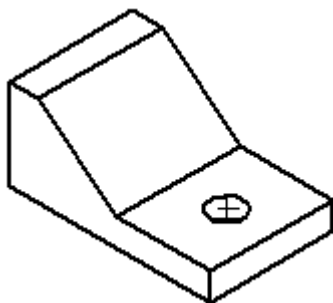


EXEMPLO DE PEÇA ONDE É OBRIGATÓRIA A OMISSÃO DE CORTE - nervura

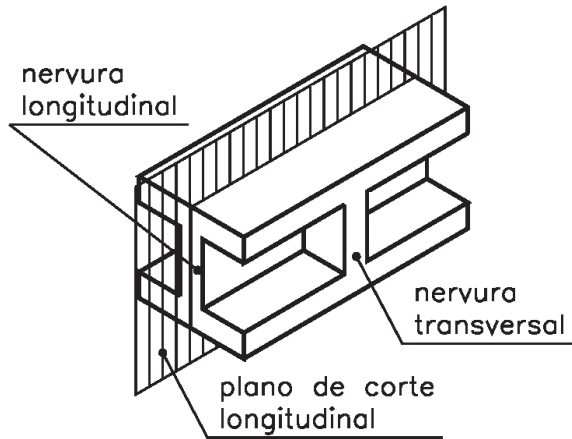




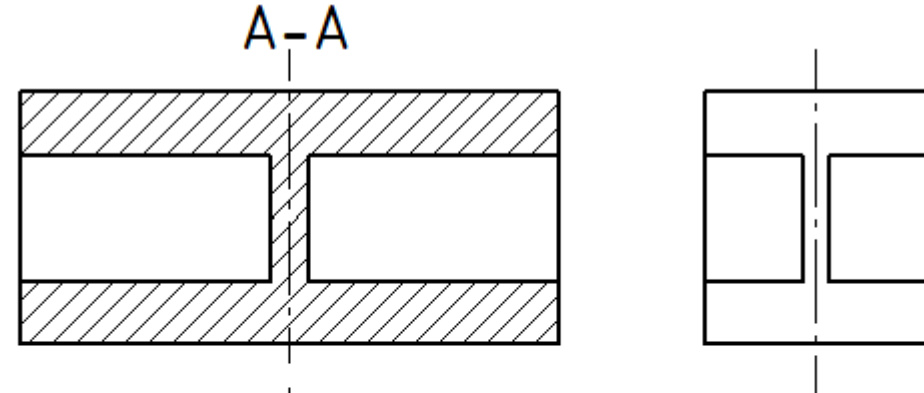
OMISSÃO DE CORTE - nervura



OMISSÃO DE CORTE - nervuras

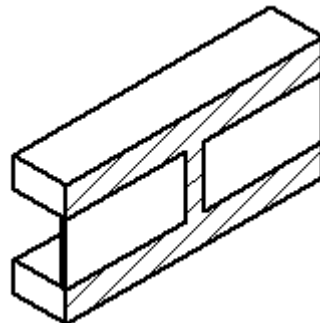
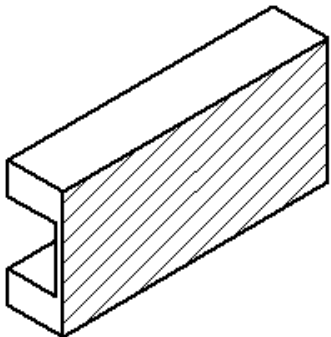


Projeção ortogonal

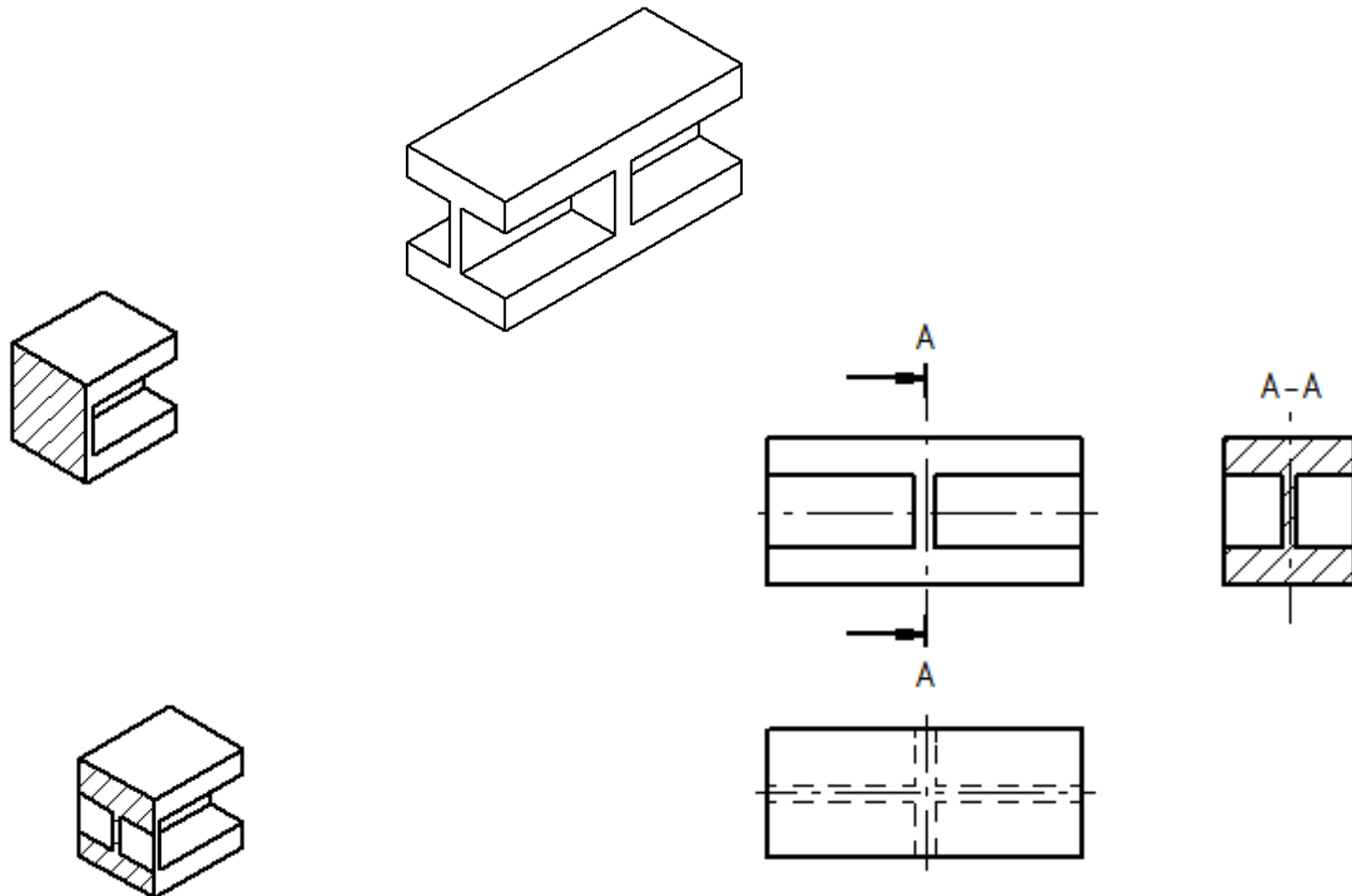


Sem omissão (errado)

Com omissão (correto)

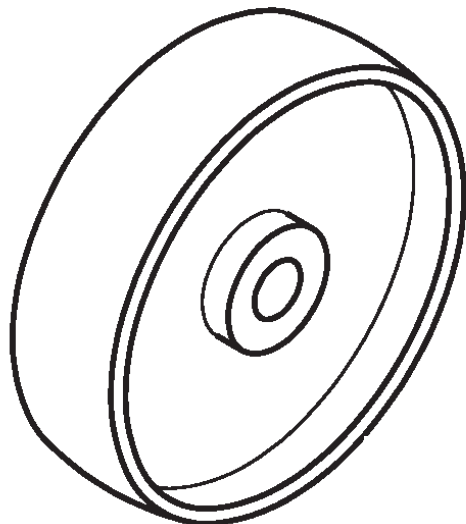


OMISSÃO DE CORTE - nervuras

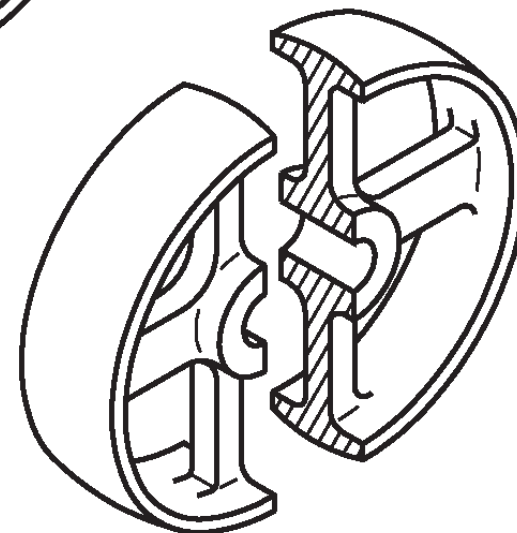
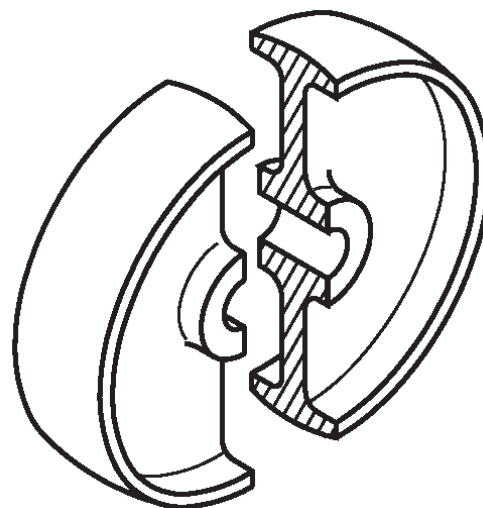
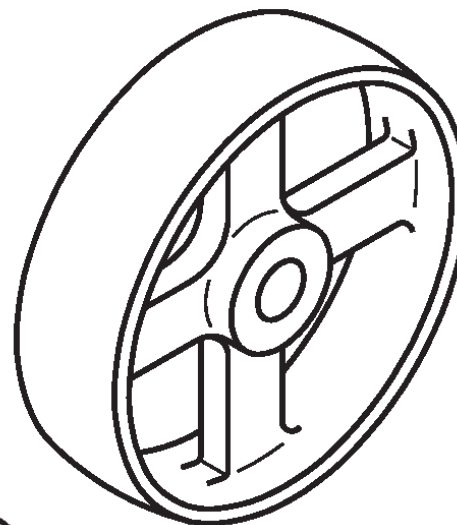


OMISSÃO DE CORTE - braços

Polia de disco

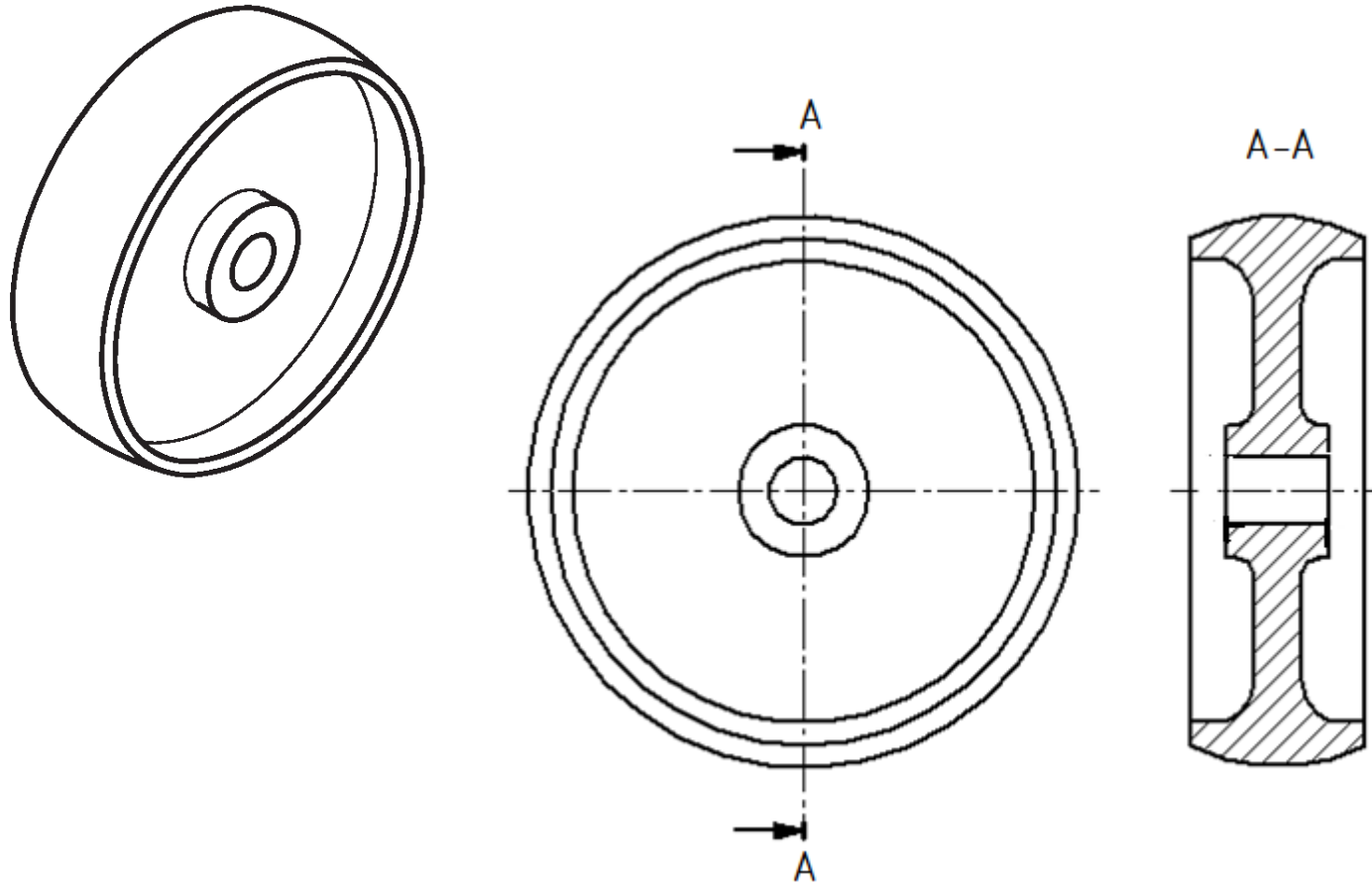


Polia com braço

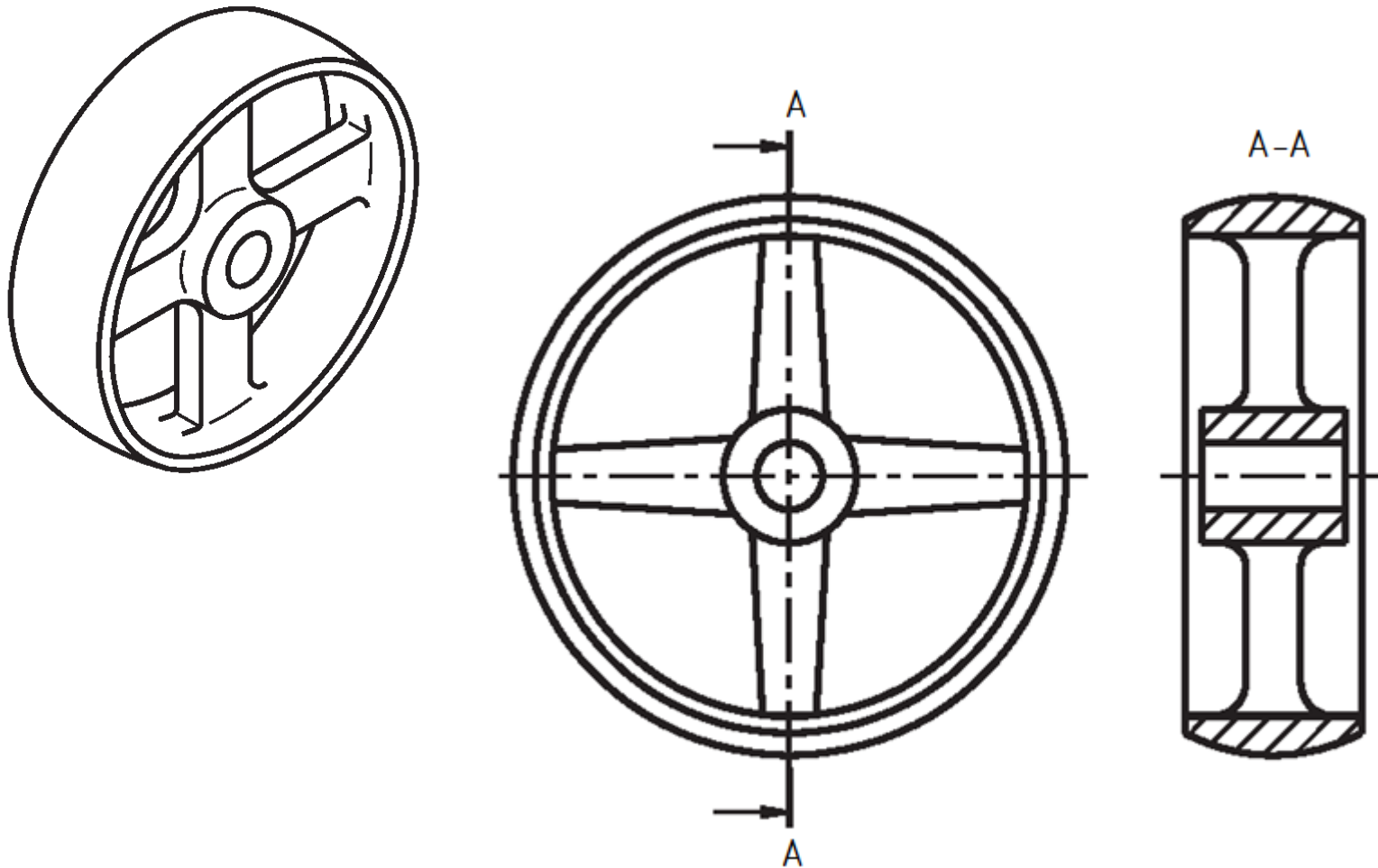


Fonte: Apostila Desenho Mecânico. Desenho com instrumentos. Convênio SENAI/São Paulo

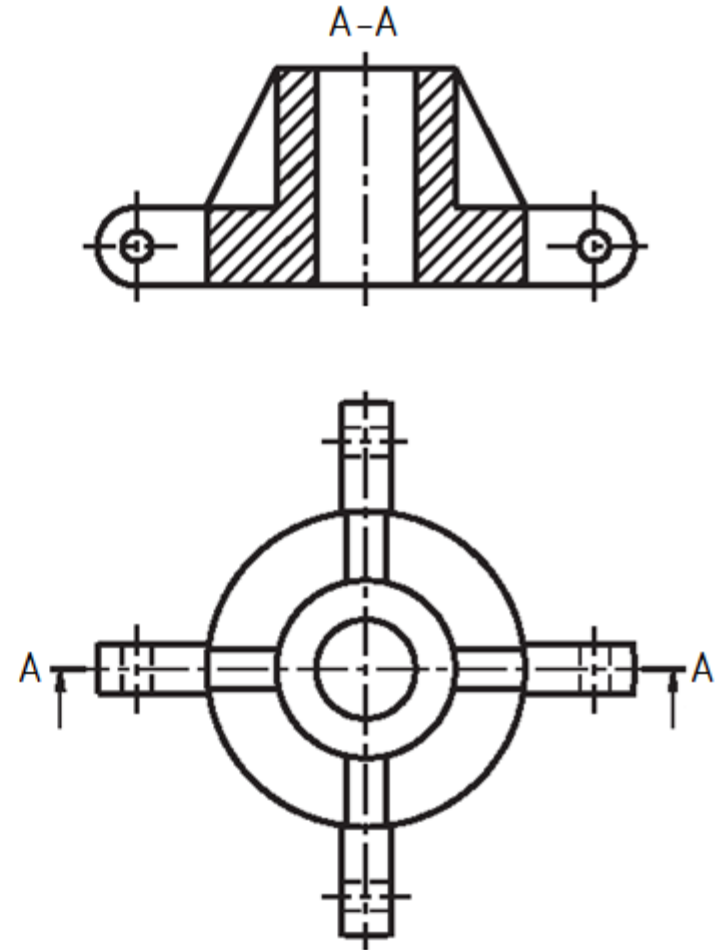
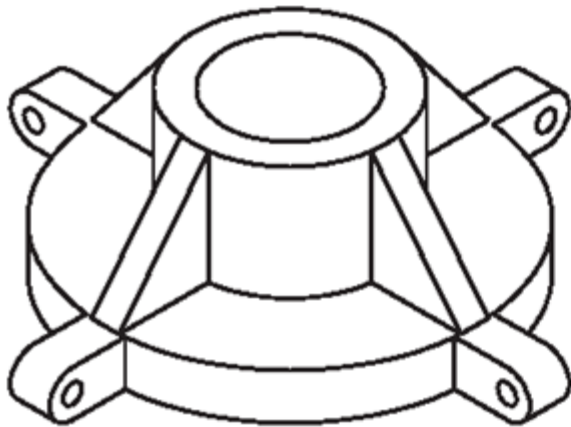
POLIA DISCO - Representação sem omissão de corte



BRAÇOS – Representação com omissão de corte

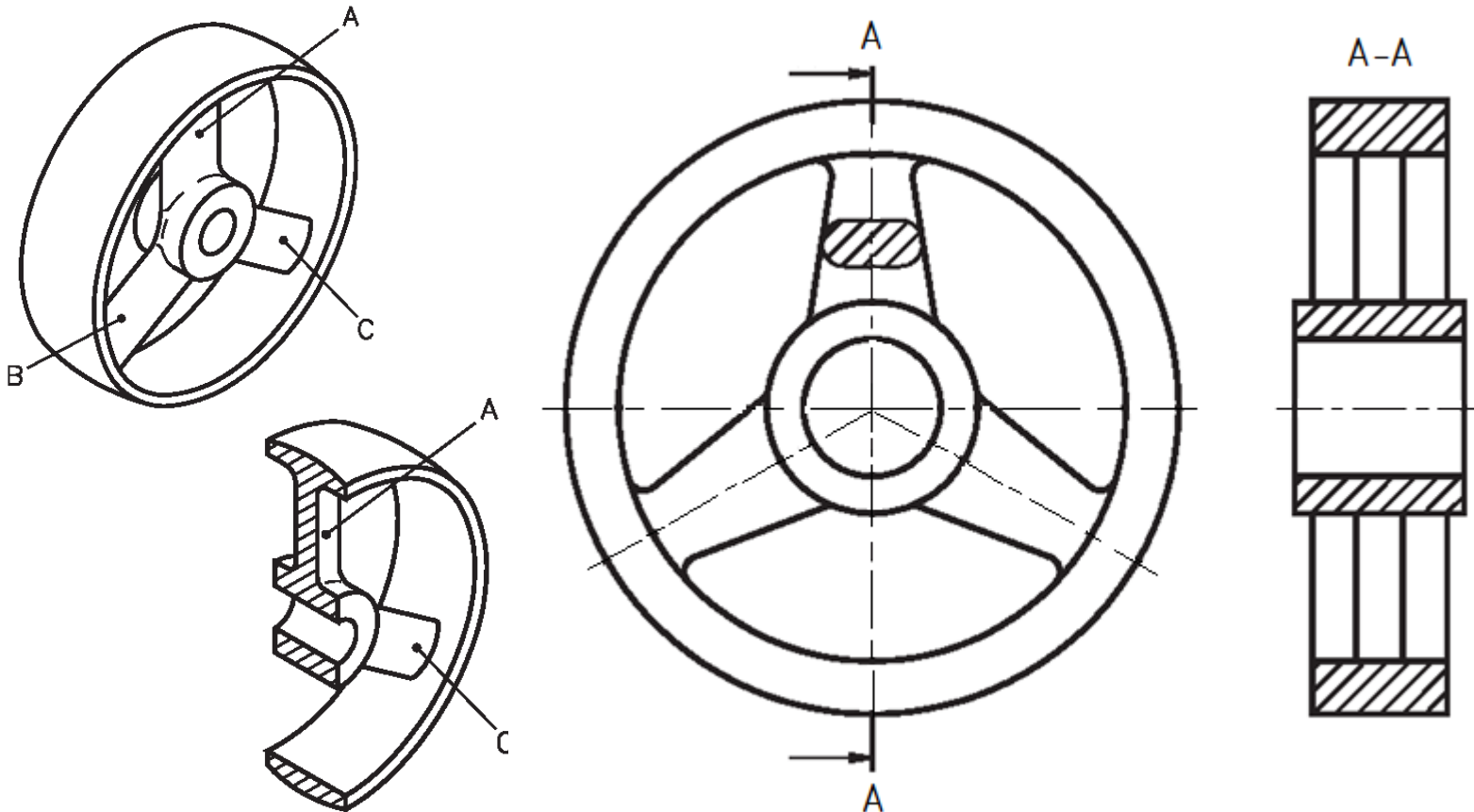


## OMISSÃO DE CORTE – nervura e orelha



## OMISSÃO DE CORTE E ROTAÇÃO

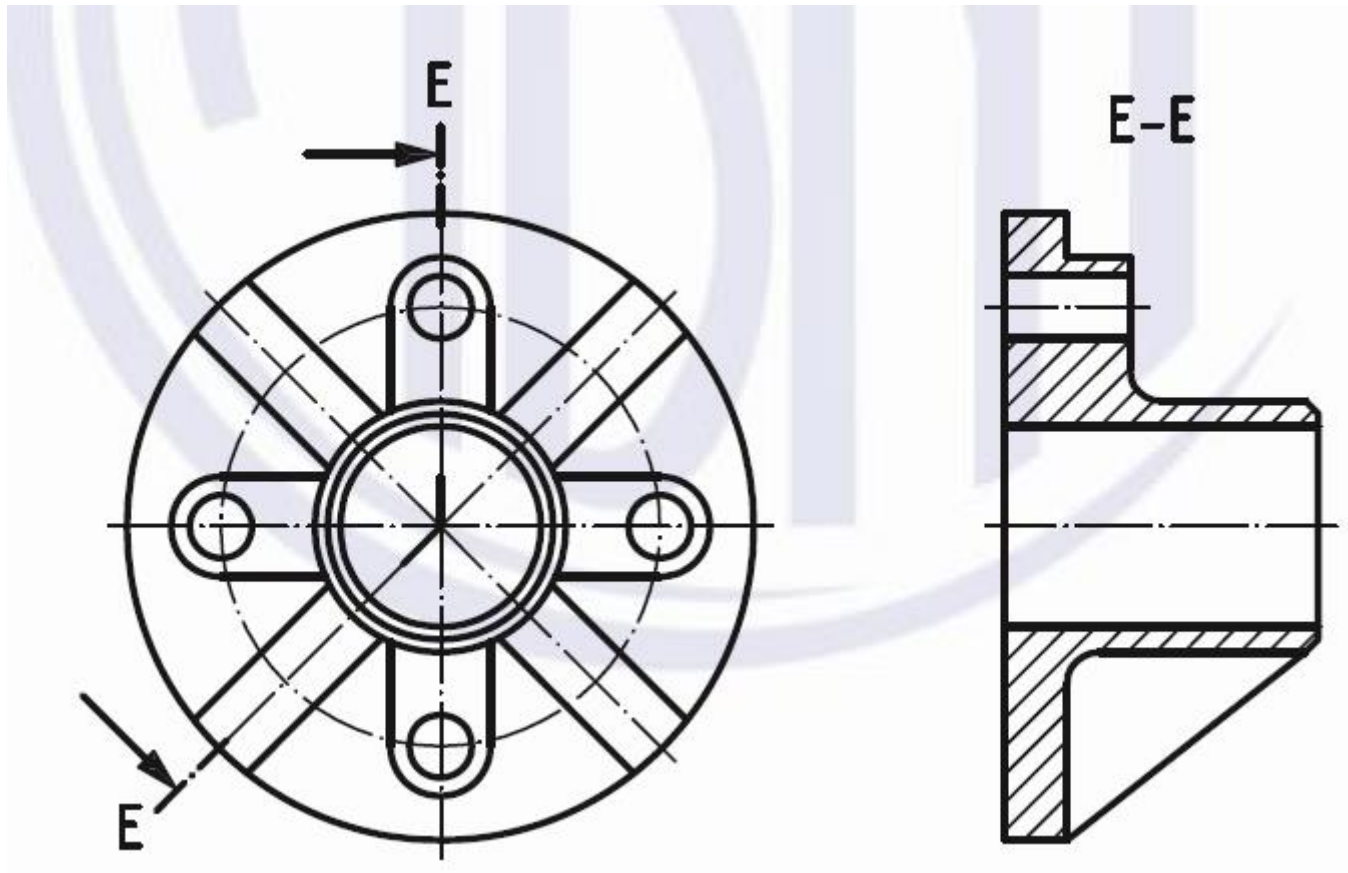
Peças de revolução contendo detalhes regularmente distribuídos que precisam ser mostrados nas seções, mas que não estão localizados no plano de corte, pode-se representar estes detalhes rotacionados para o plano de corte, se não houver ambiguidade.



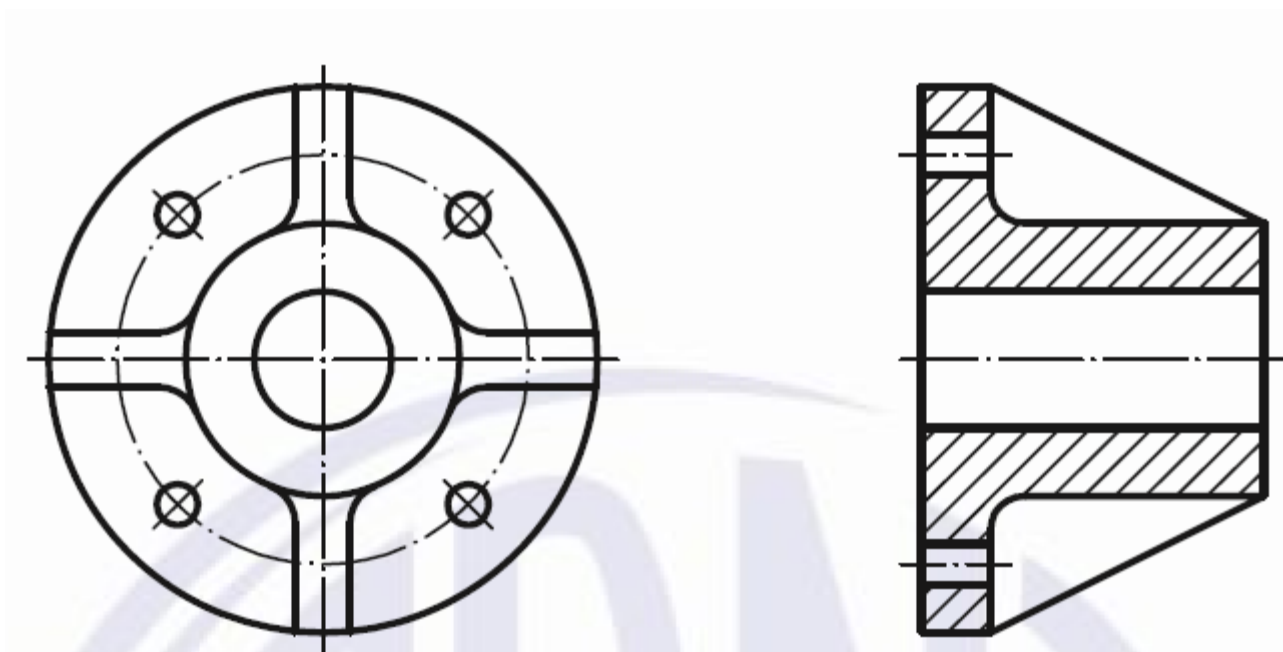
Fonte: Apostila Desenho Mecânico. Desenho com instrumentos. Convênio SENAI/São Paulo



## CORTE EM 2 PLANOS SECANTES

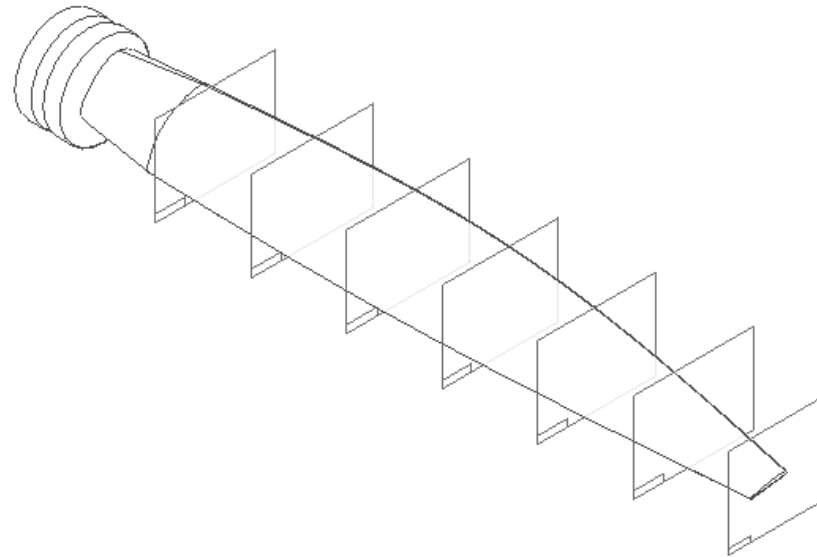
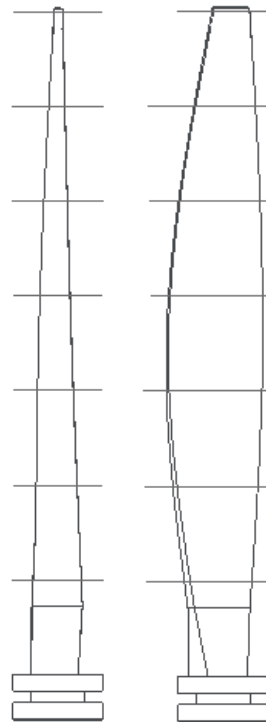
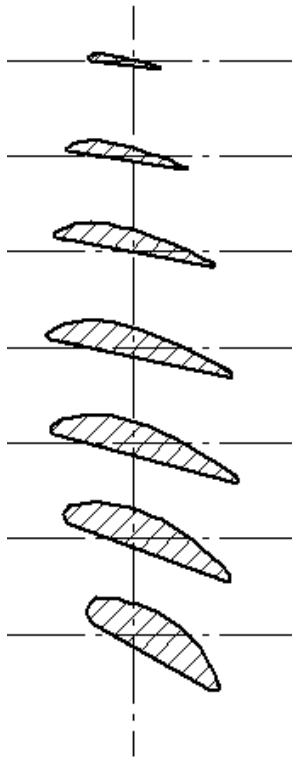


CORTE DE UMA PEÇA DE REVOLUÇÃO COM DETALHES IGUALMENTE  
ESPACADOS FORA DO PLANO DE CORTE



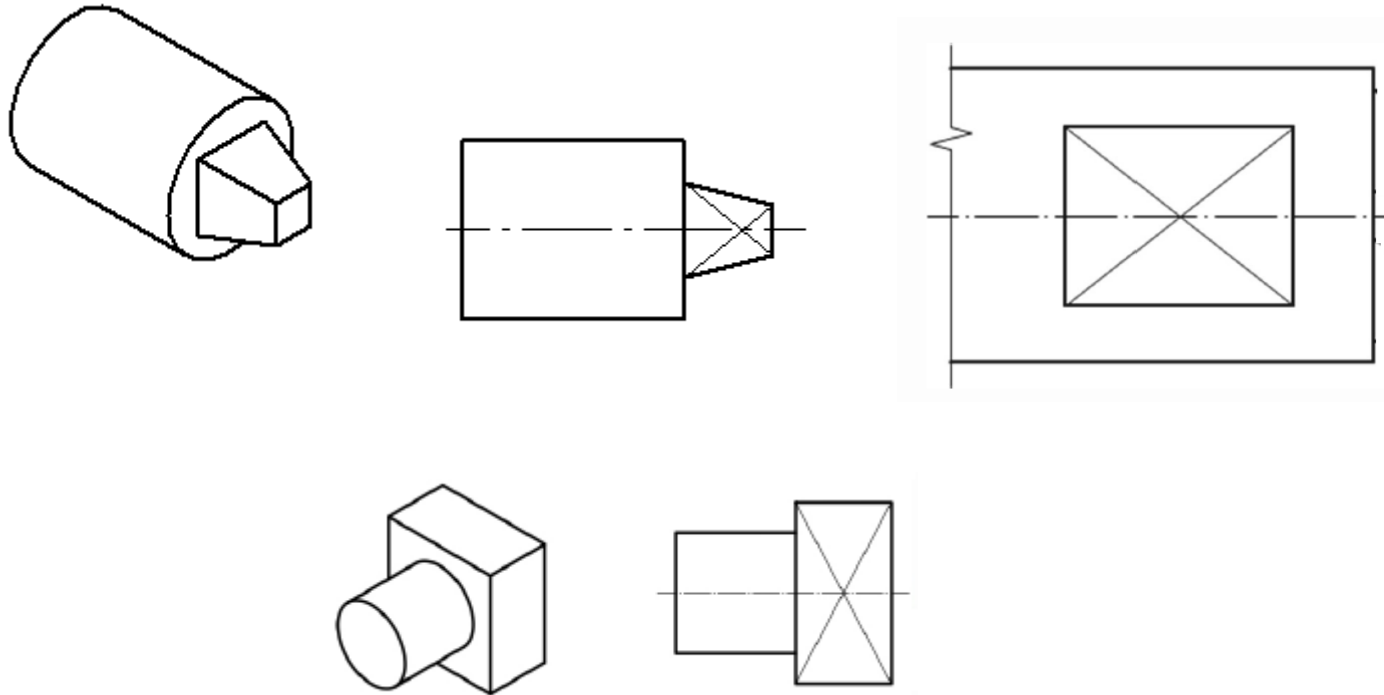
## SEÇÃO

Seções são representações de cortes transversais de uma peça, a fim de mostrar de maneira simples sua geometria naquela região.



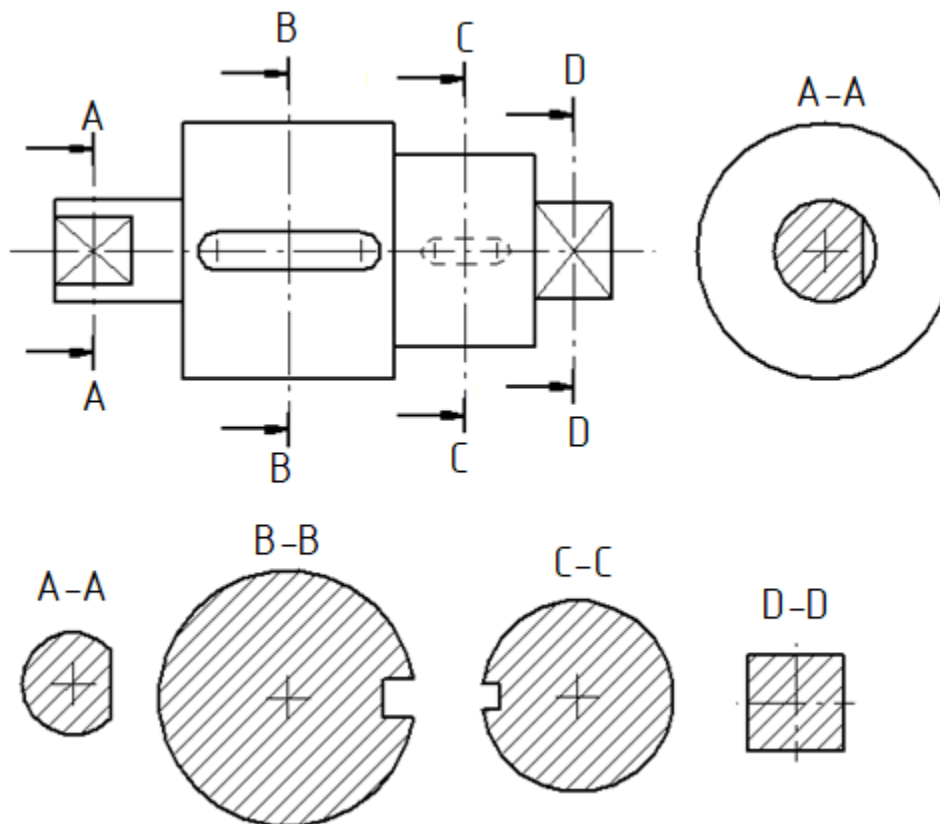
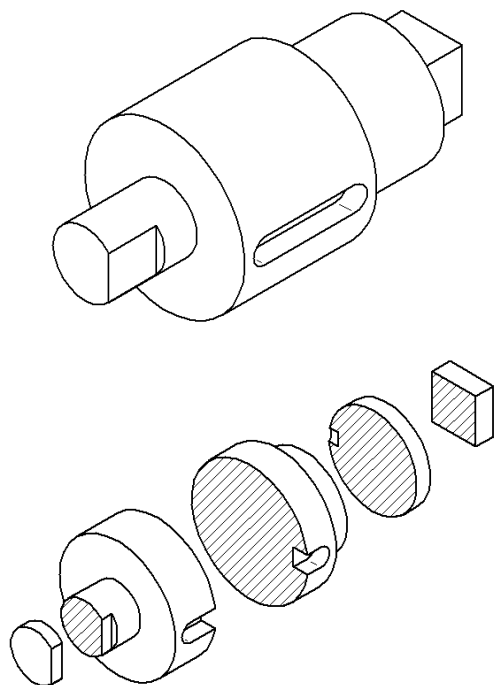
**Faces planas, extremidades quadradas em eixos e aberturas**

De maneira a evitar o desenho de uma vista, corte ou seção suplementar, as extremidades quadradas cilíndricas ou faces planas ou extremidades quadradas cônicas nos eixos devem ser indicadas por diagonais desenhadas com linhas contínuas estreitas.



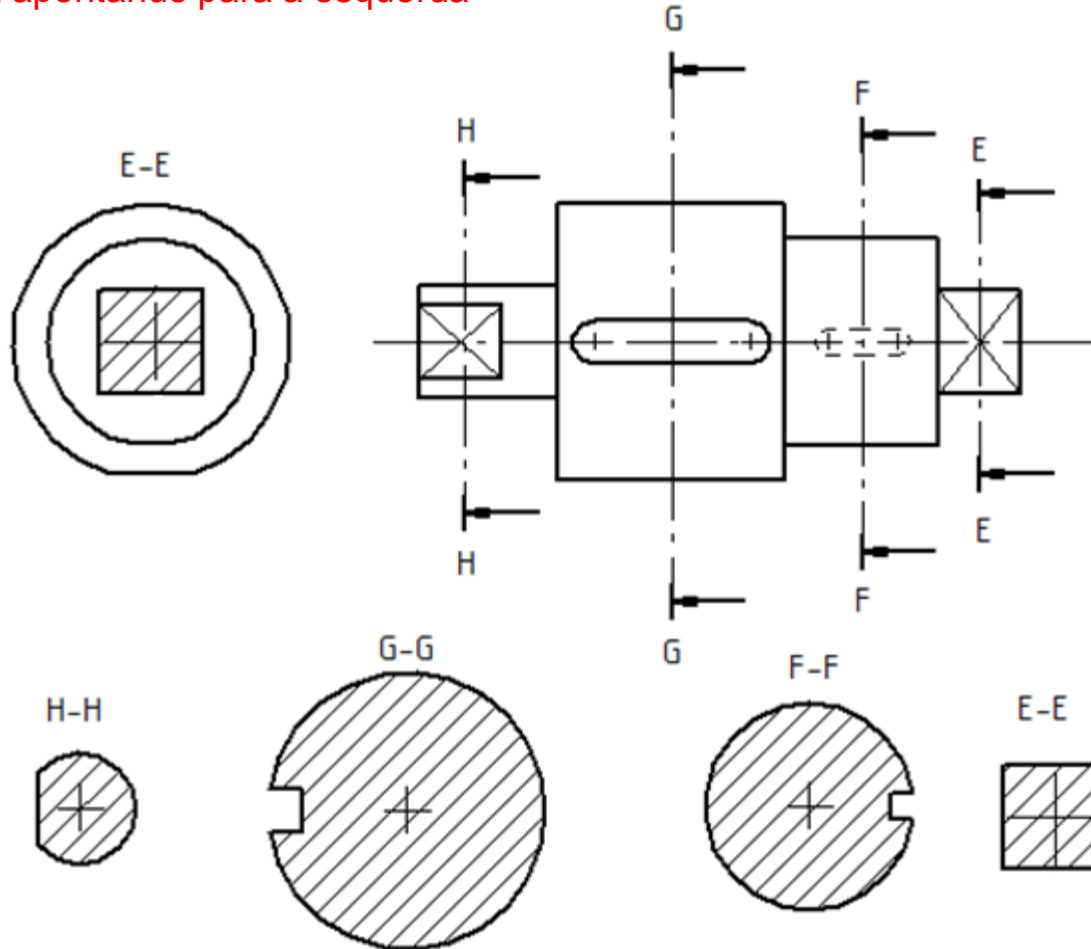
# SEÇÃO - Fora da vista com indicação

Seta apontando para a direita

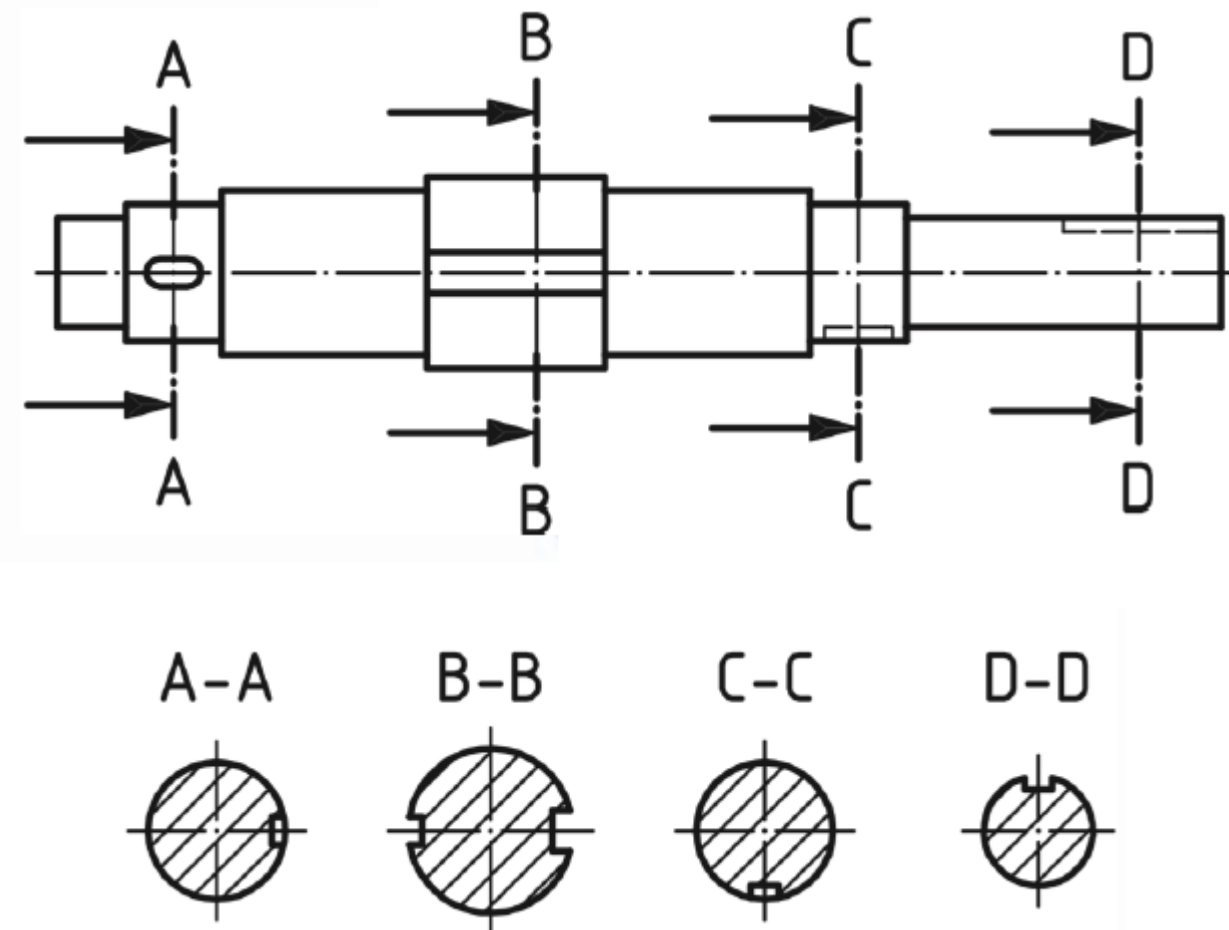


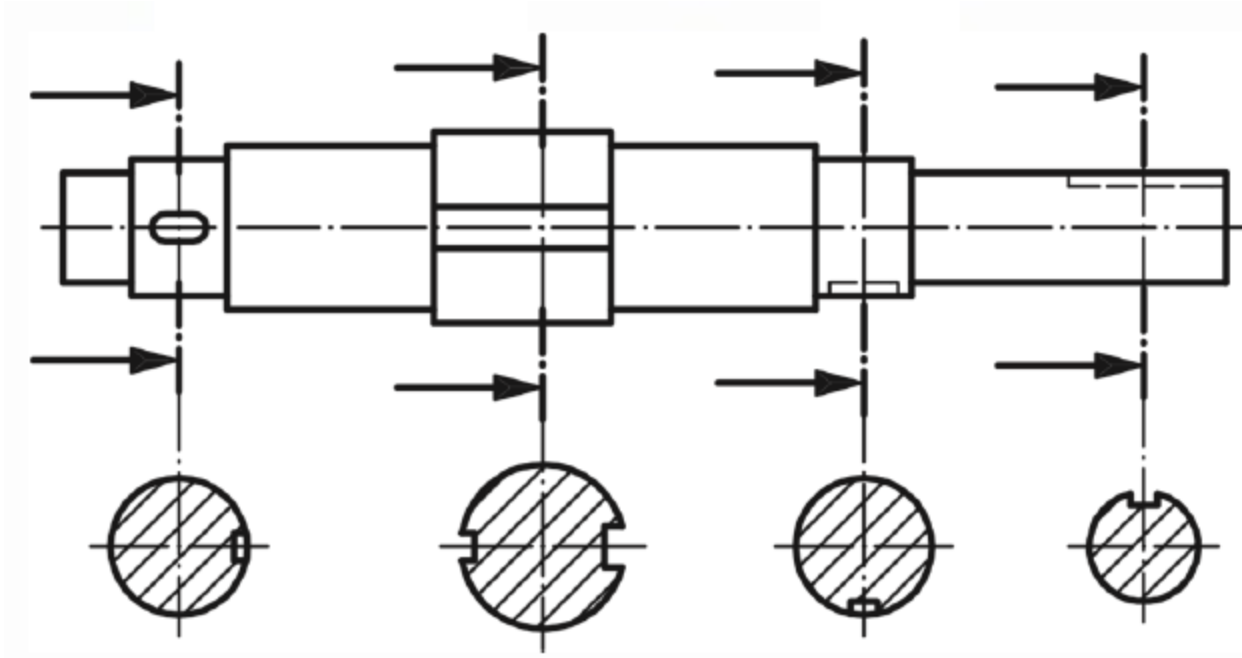
# SEÇÃO - Fora da vista com indicação

Seta apontando para a esquerda



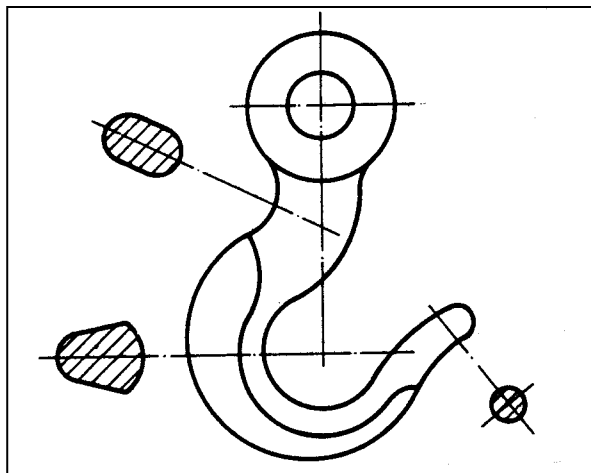
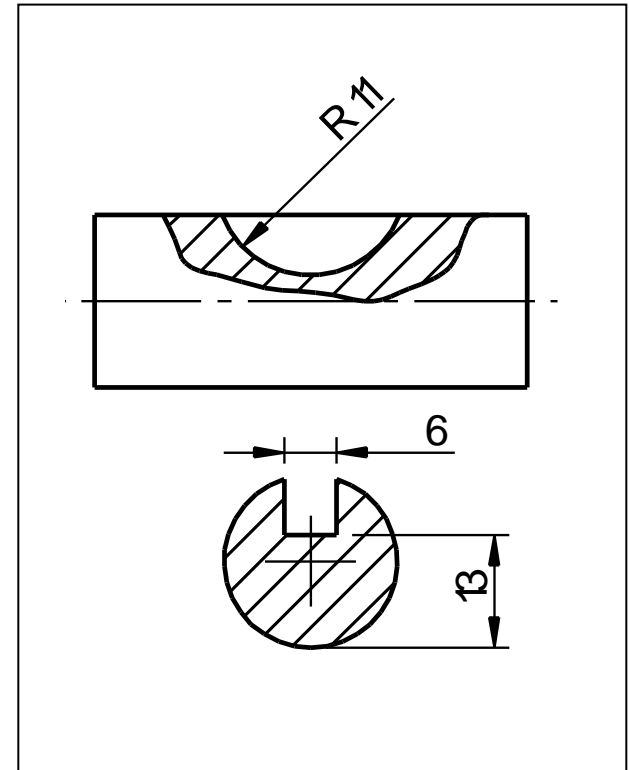
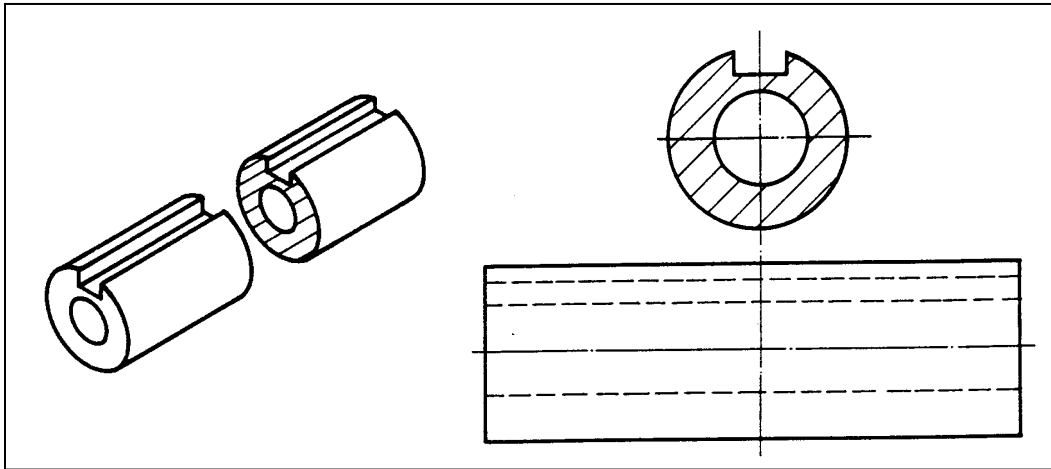
Os contornos e arestas atrás do plano de corte podem ser representados quando contribuem para a clareza do desenho técnico.



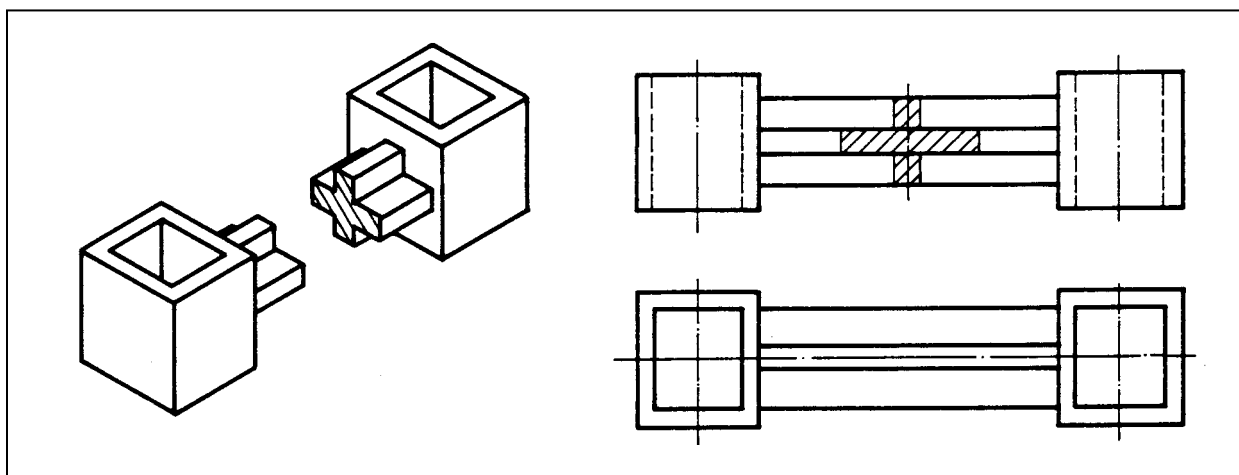
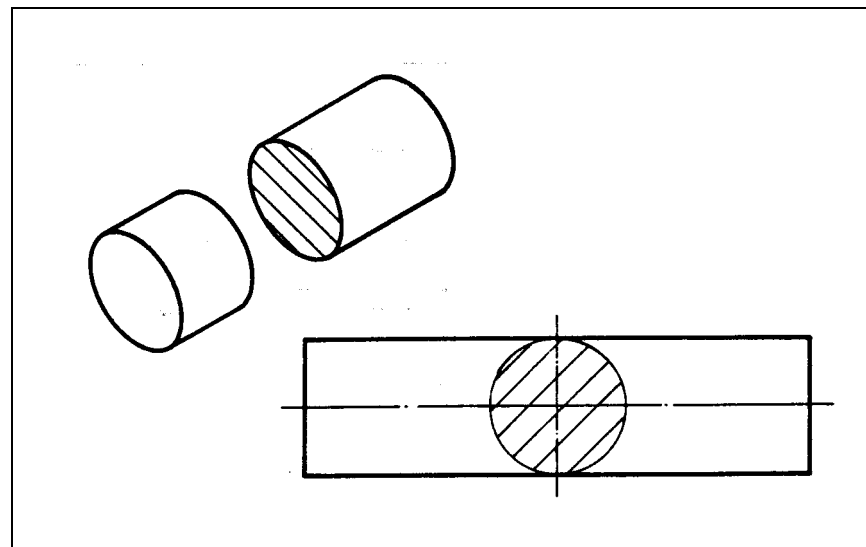
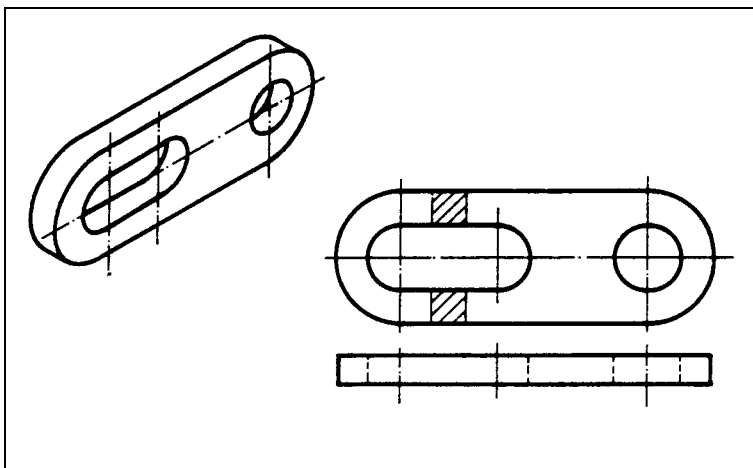




SEÇÃO - Fora da vista sem indicação

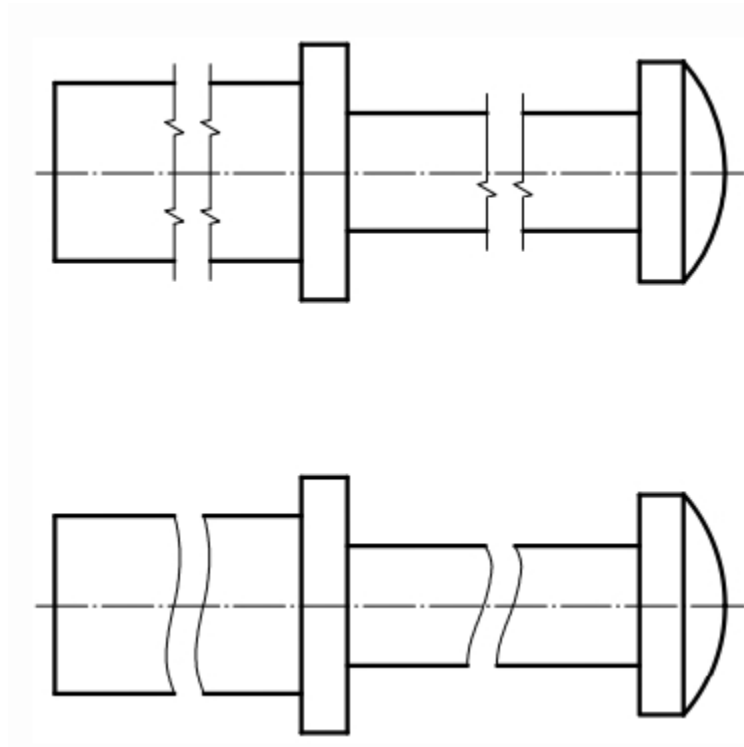


SEÇÃO sobreposta à vista

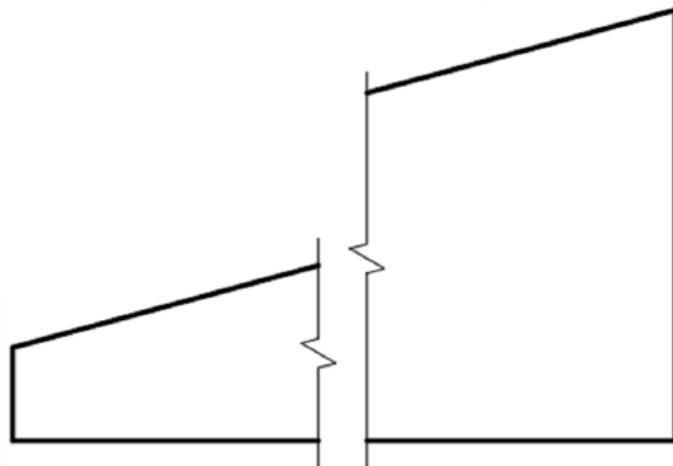


Fonte: Apostila Desenho Mecânico. Desenho com instrumentos. Convênio SENAI/São Paulo

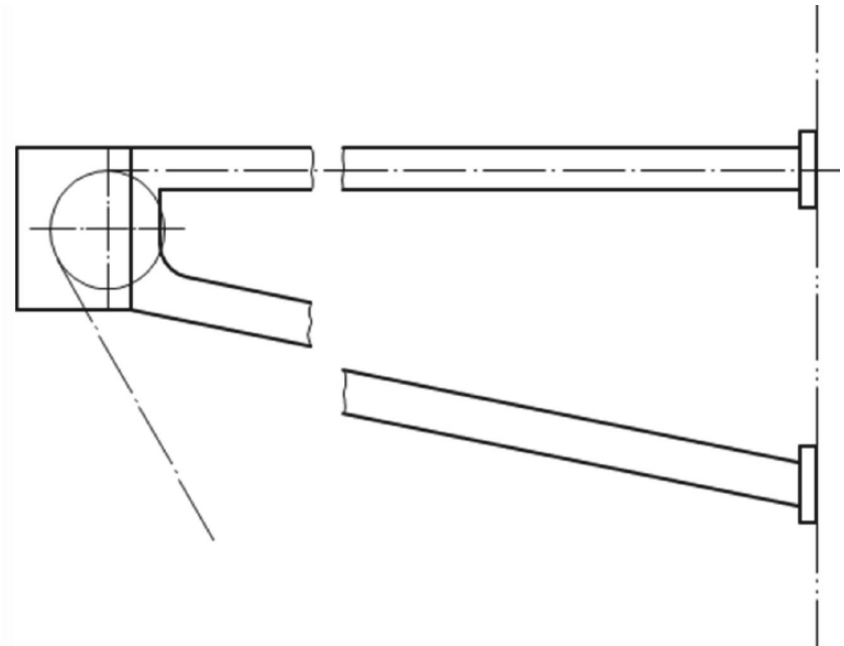
## VISTA INTERROMPIDA



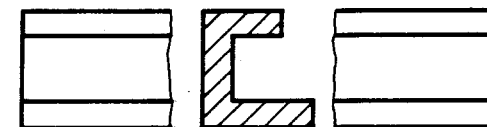
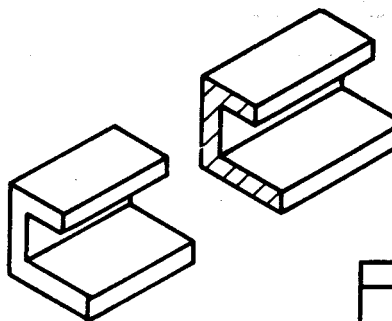
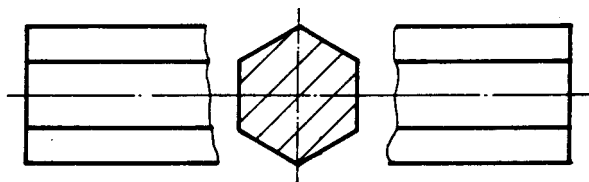
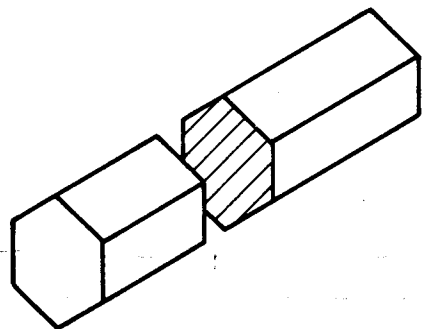
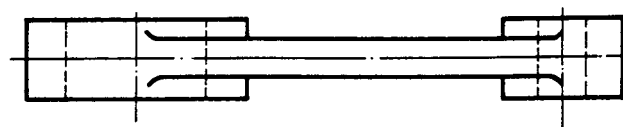
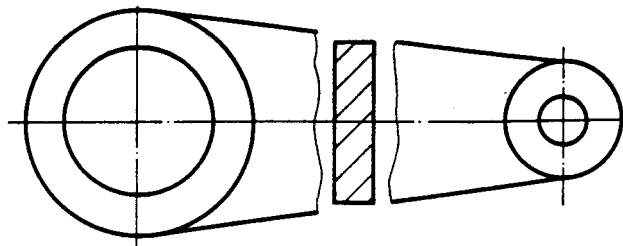
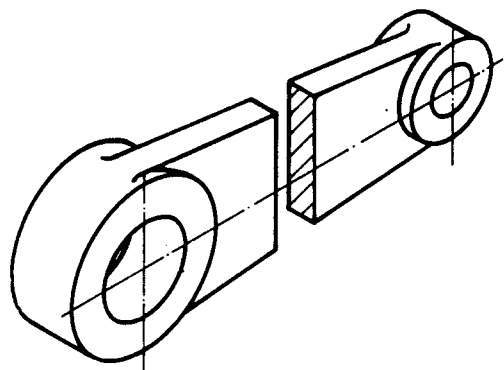
VISTA INTERROMPIDA EM PARTE CÔNICA



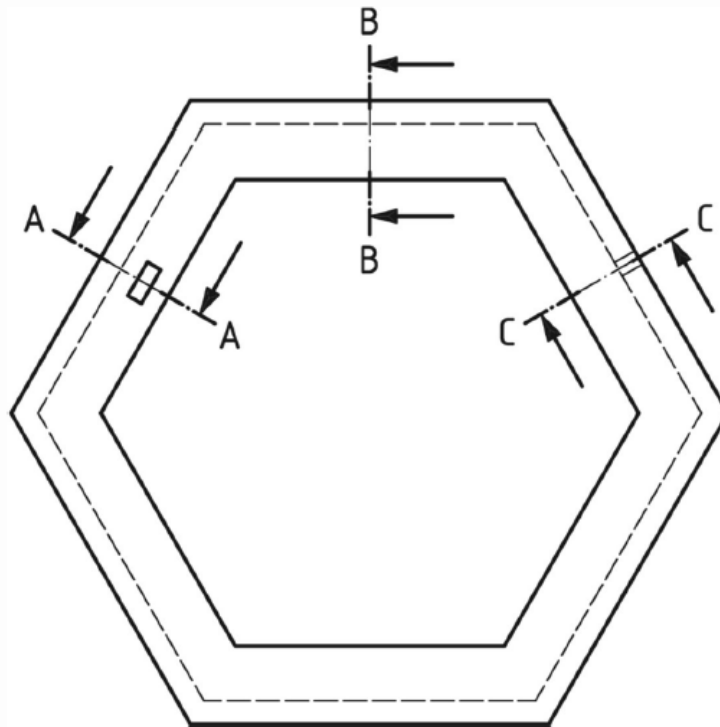
VISTA INTERROMPIDA EM PARTE INCLINADA



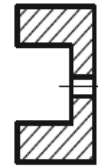
SEÇÃO na interrupção da vista



SESSOES SUCESSIVAS COM INDICACAO E GIRO



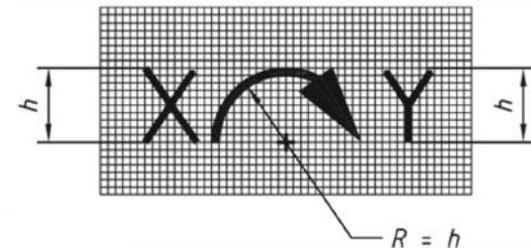
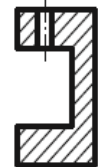
C-C  $\curvearrowright$  30°



B-B  $\curvearrowright$  90°



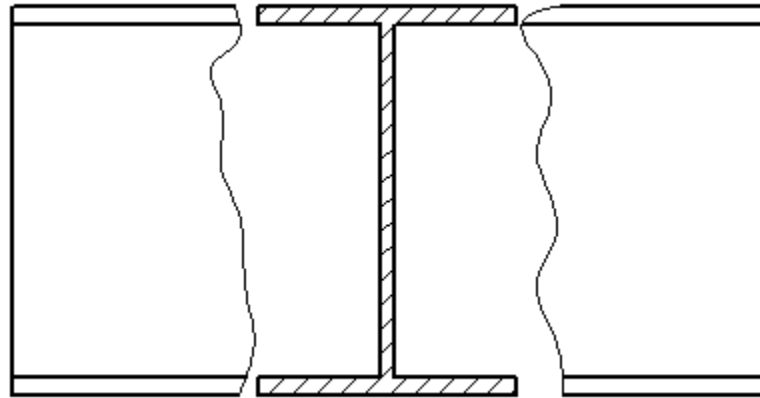
A-A  $\curvearrowright$  150°



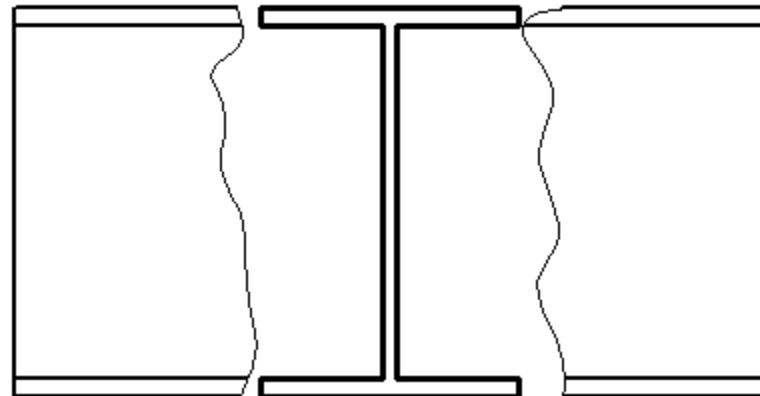
Símbolo gráfico para setas em arco



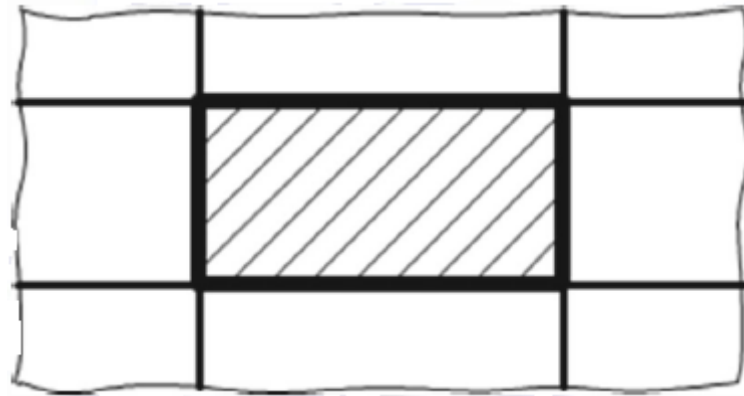
## SEÇÃO na interrupção da vista



Aplicação da linha  
extralarga



Aplicação da linha  
extralarga

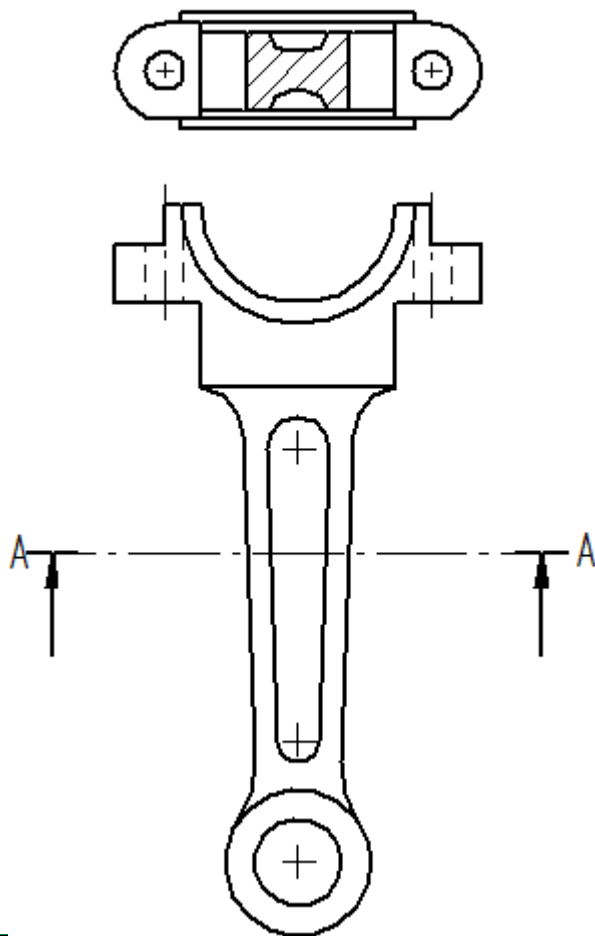




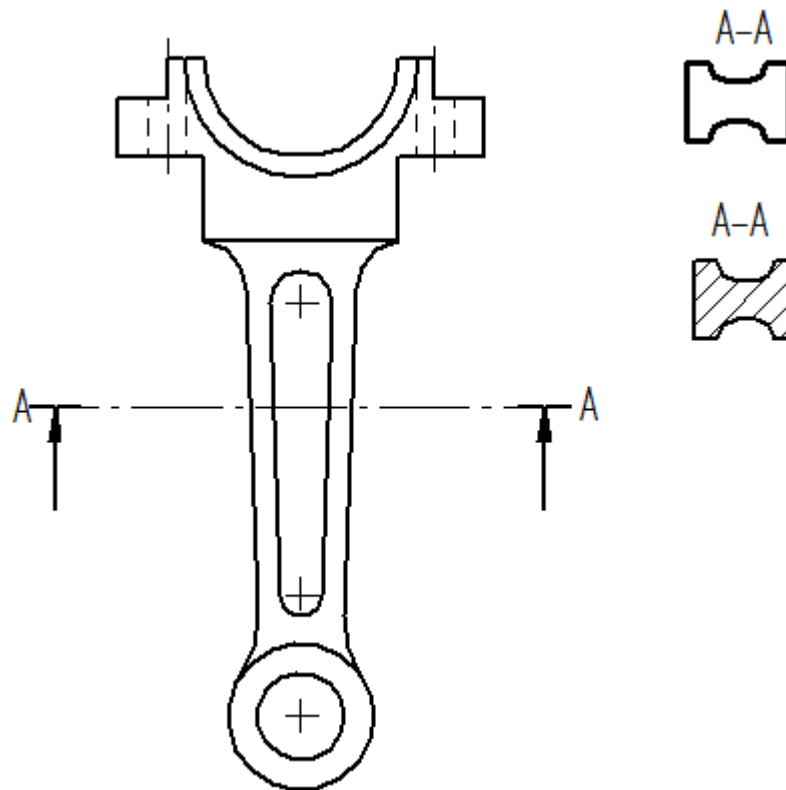
SEÇÃO – Diferença em relação ao corte:

Corte

A-A



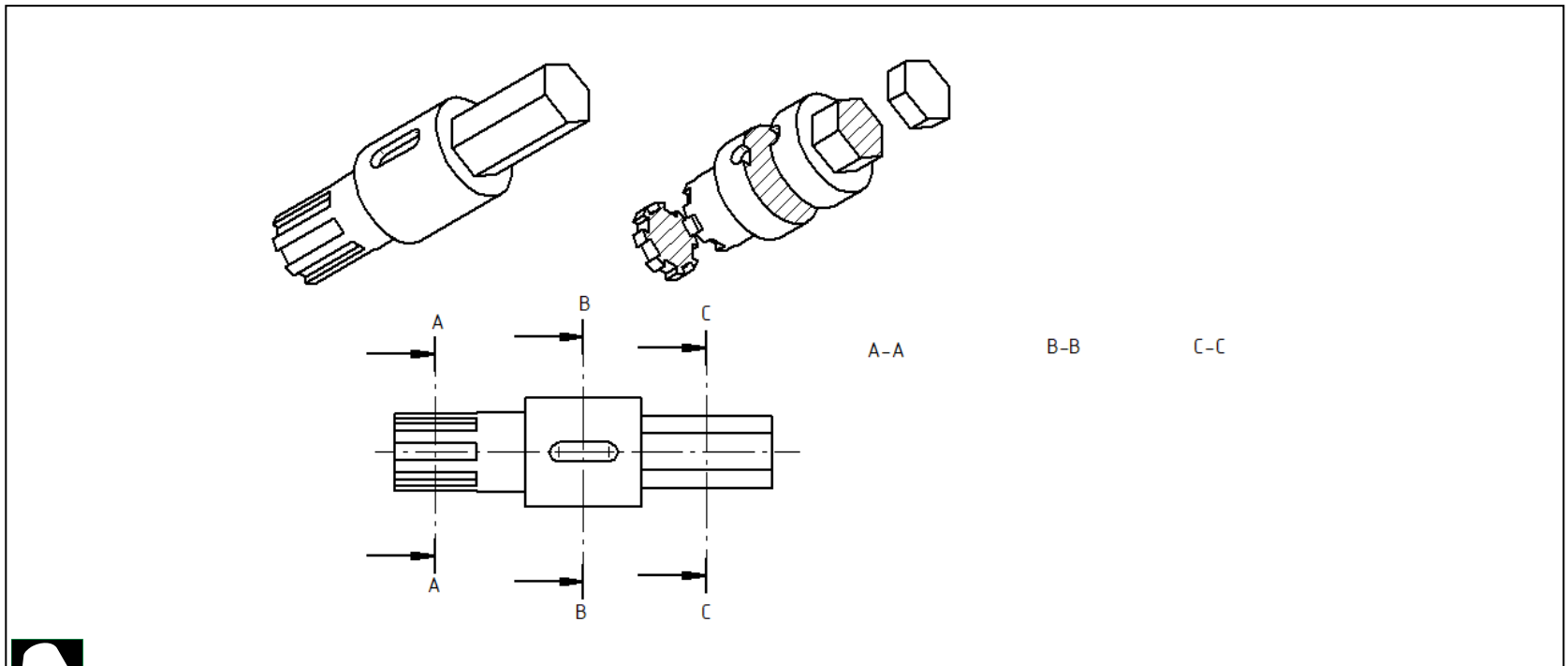
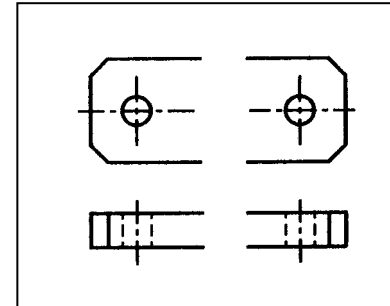
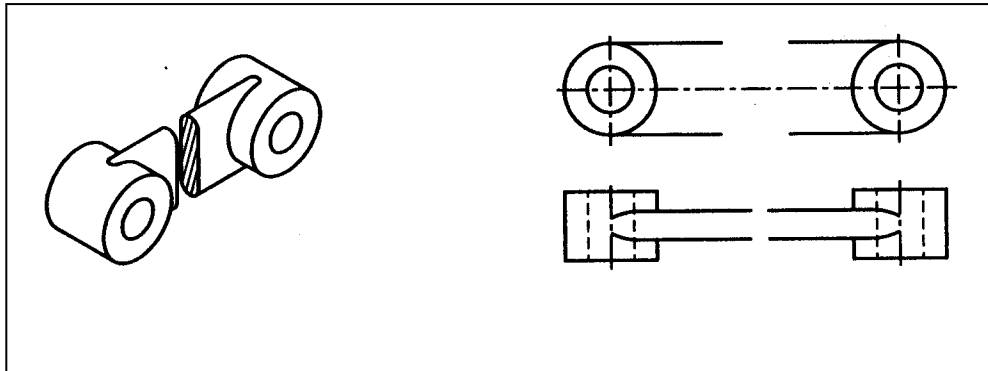
Seção



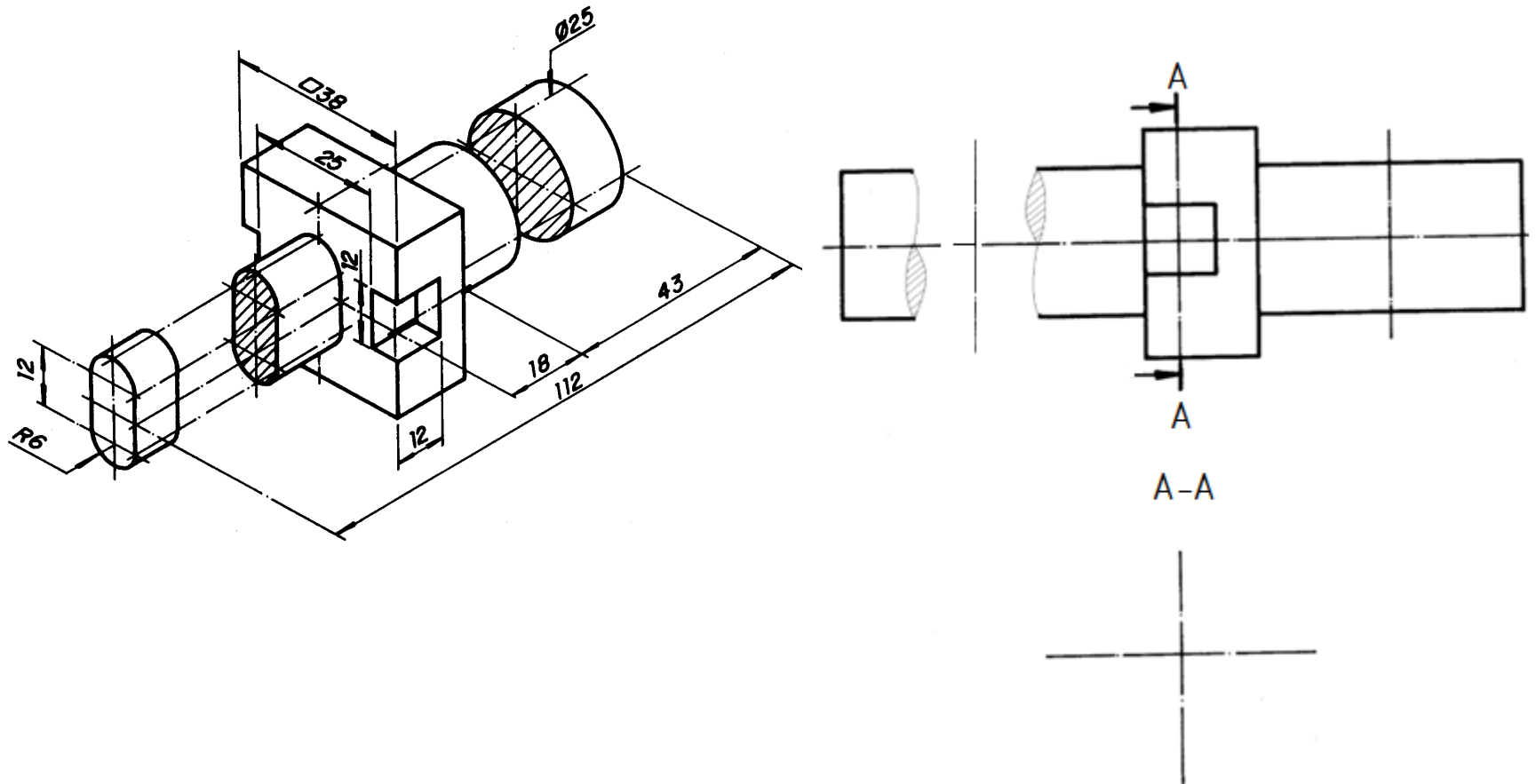
Exercício 5.1 – Complete com as seções.

Nome: \_\_\_\_\_

Nº \_\_\_\_\_ Turma \_\_\_\_\_



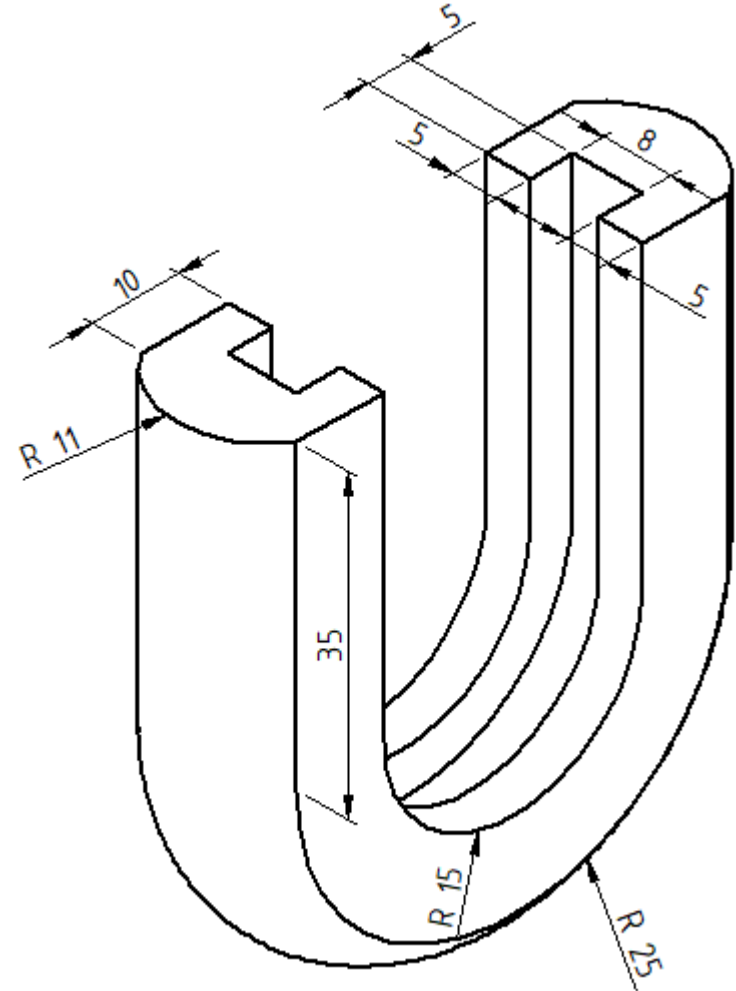
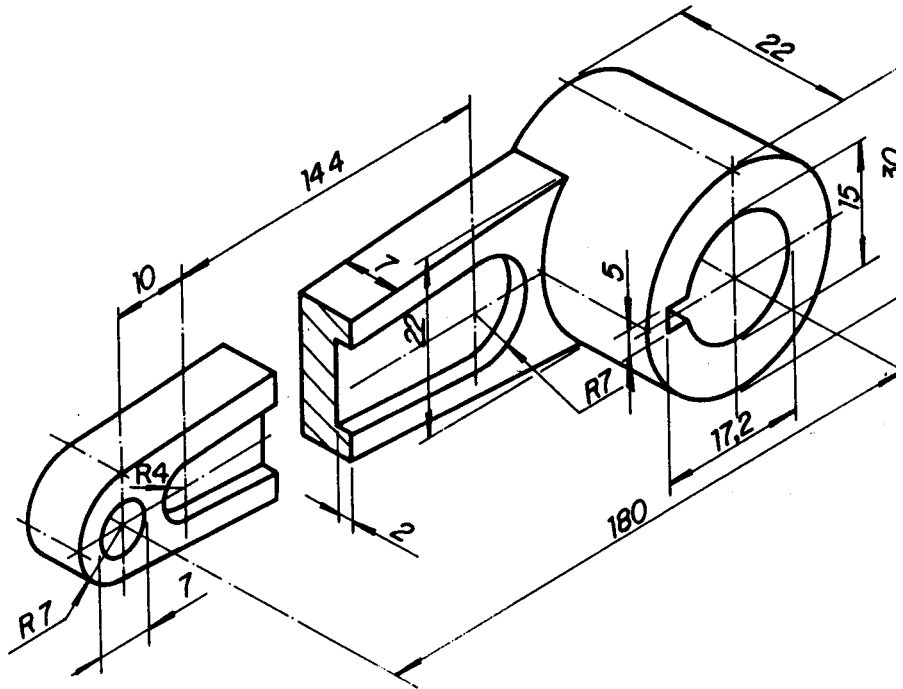
Exercício 5.2 – Observe a figura e desenhe as seções na projeção.



Exercício 5.3 – Faça o croqui das peças aplicando seção.

Nome: \_\_\_\_\_

Nº \_\_\_\_\_ Turma \_\_\_\_\_



Exercício 5.5 – Faça o croqui das vistas necessárias para representar a perspectiva.

