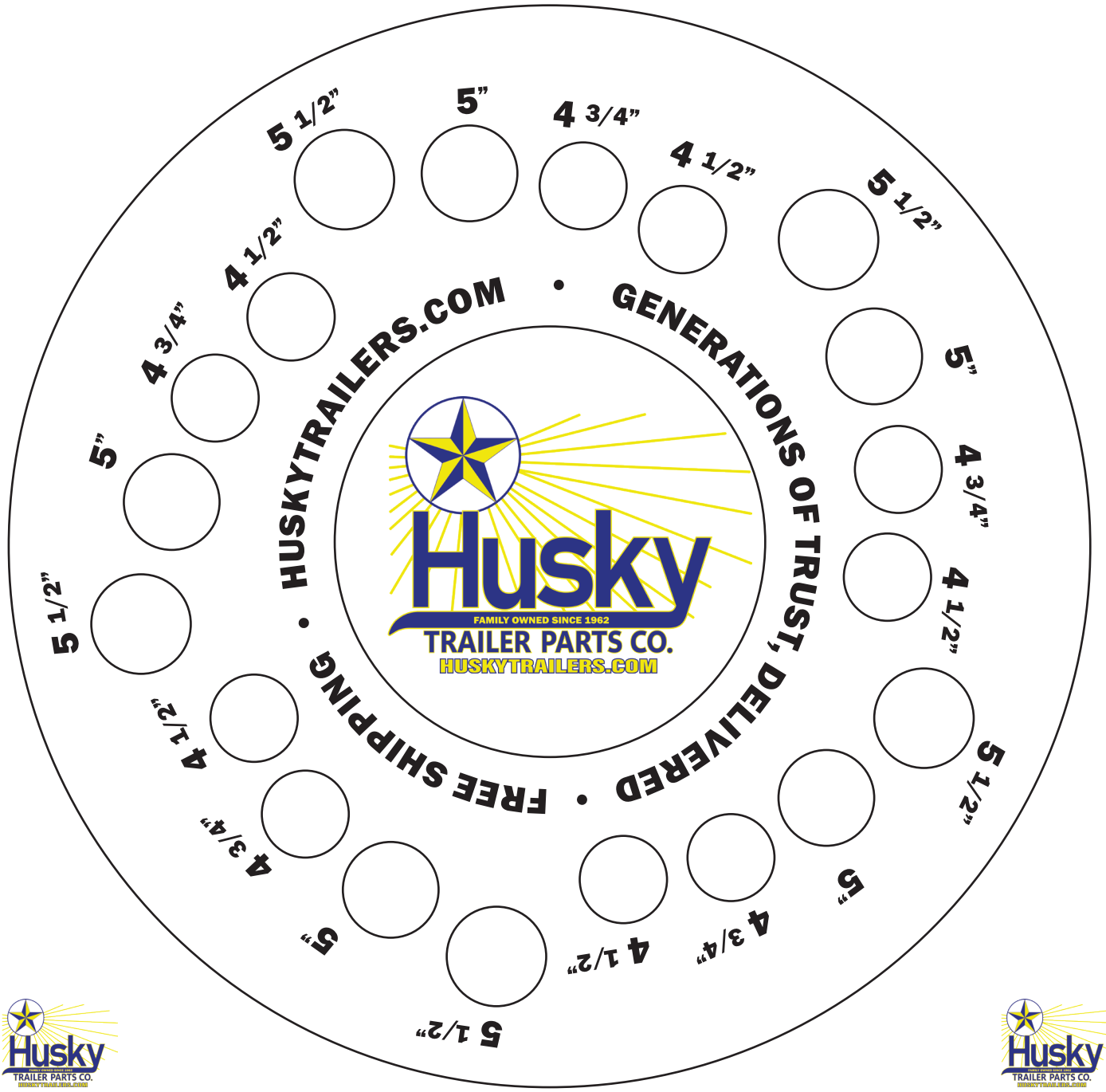BOLT PATTERN TEMPLATE