
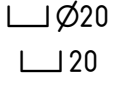

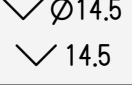

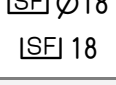



## COMMON ENGINEERING DRAWING SYMBOLS

DESCRIPTION	SYMBOL	EXAMPLE	EXAMPLE DETAILS
DIAMETER	∅	∅20	DIAMETER OF 20mm
RADIUS	R	R5	RADIUS OF 5mm
SPHERICAL DIAMETER	S∅	S∅50	SPHERICAL DIAMETER OF 50mm
SPHERICAL RADIUS	SR	SR 10	SPHERICAL RADIUS OF 10mm
TIMES OR PLACES BY	X	4X R6 2 X 45°	6mm RADIUS 4 PLACES (TIMES) 2mm BY 45° CHAMFER
TYPICAL	TYP	∅5 TYP	5mm DIAMETER FOR SIMILAR HOLES
SQUARE	□	□10	10mm BY 10mm SQUARE
COUNTERBORE			20mm DIAMETER COUNTERBORE
COUNTERSINK			14.5mm DIAMETER COUNTERSINK
SPOTFACE			18mm DIAMETER SPOTFACE
DEPTH	↯	↯ 6.5	DEPTH OF 6.5mm
REFERENCE DIMENSION	( )	-50	REFERENCE DIMENSION OF 50mm
SYMMETRIC			
POSITION	⊕		
CONCENTRIC	⊙		
PERPENDICULAR	⊥		
CENTERLINE	⌒		
MAXIMUM MATERIAL CONDITION (MMC)	Ⓜ		