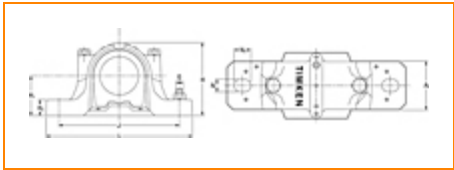# TIMKEN

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Housing – Bearing – Seal SNT 509 - 22209K - TSNG509, SNT Taper Bore Plummer Block Housed Units

Types of Components | Housing | Bearing | Dimensions | Specifications

Types of Components −

Housing	SNT 509
Bearing	22209K
Locating Rings (width x OD)	SR85X3.5
Seal Type	Double Lip
Seal	TSNG509
Adapter Sleeve[1]	H309
Locknut	KM9
Lockwasher	MB9
End Cover[2]	EC509

Housing −

Material	Cast Iron
Housing Mass	2.9 Kg
Bolt Qty	2

Bearing −

Cage Type	EJ
C1 Dynamic Load Rating	109
C0 Static Load Rating	108
Max Oil Speed	6800
Max Grease Speed	5500

Dimensions −

Shaft Diameter d	40 mm
A	85.00 mm
A1	60 mm
G	M12
H	109 mm
H1	60.0 mm
H2	25.0 mm
J	170.00 mm
Jmax	175 mm
Jmin	165 mm
L	205 mm
N	15 mm

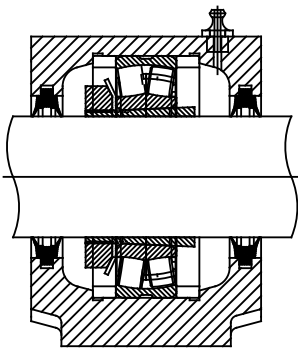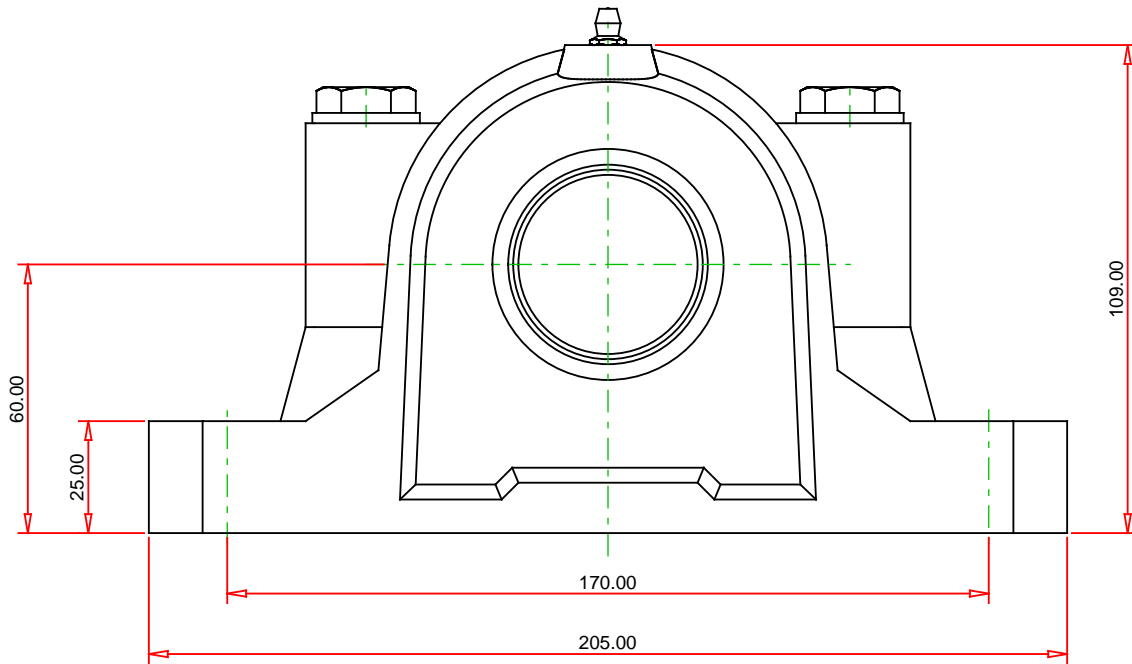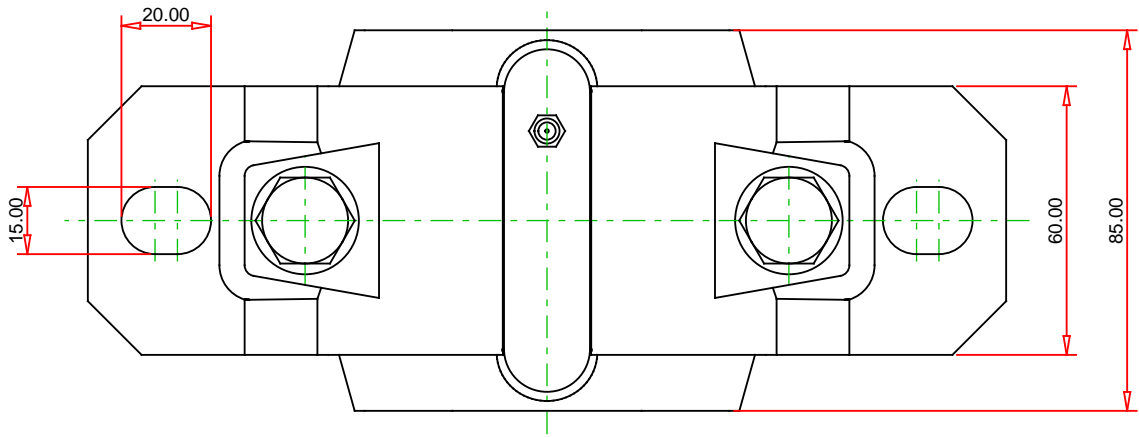| N1	20.00 mm

Specifications −

UPC Code	999999999
Alternate Part Name	SNT509 - 22209K - TSNG509

[1] Purchase the Adapter Sleeve separately

[2] Two seals are required for a thru shaft application. One end cover can be used if application is not a thru shaft design. In this case, only one seal is required.

20.00

15.00

85.00

60.00

109.00

60.00

25.00

170.00

205.00

Note: Section View not to Scale

METRIC UNITS

Housing	SNT 509
Bearing	22209K
Seal (Quantity 2)	TSNG509
Seal Type	Double Lip
Locating Ring (Quantity 2)	SR85X3.5
Adapter Sleeve	H309
(includes 1 sleeve, 1 locknut and 1 lockwasher)	

TIMKEN®

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

SNT 509 - 22209K - TSNG509
SNT Taper Bore Plummer Block Housed Units

C1 Dynamic Load Rating (2 rows)	109 kN
C0 Static Load Rating	108 kN
Max Oil Speed	6800 RPM
Max Grease Speed	5500 RPM
Material	Cast Iron

FOR DISCUSSION ONLY