


The Timken Company

4500 Mt Pleasant St. NW

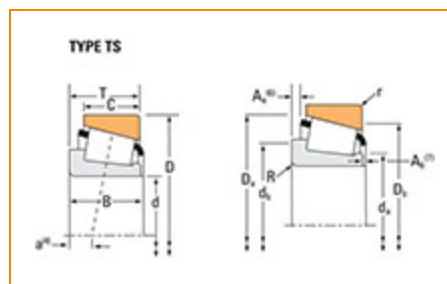
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Part Number 4520, Tapered Roller Bearings - Single Cups - Imperial

This is the most basic and most widely used type of tapered roller bearing. It consists of two main separable parts: the cone (inner ring) assembly and the cup (outer ring). It is typically mounted in opposing pairs on a shaft.



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Specifications

| | |
|------------------------|----------|
| Series | 4500 |
| Cup Part Number | 4520 |
| Design Units | Imperial |

Dimensions

| | |
|-------------------------------|-------------------------|
| D - Cup Outer Diameter | 3.9843 in 101.201 mm |
| C - Cup Width | 1.3125 in 33.338 mm |



Abutment and Fillet Dimensions

| | |
|---|---------------------|
| r - Cup Backface "To Clear" Radius¹ | 0.130 in 3.3 mm |
| Da - Cup Frontface Backing Diameter | 3.86 in 98.00 mm |
| Db - Cup Backface Backing Diameter | 3.50 in 88.90 mm |

Factors

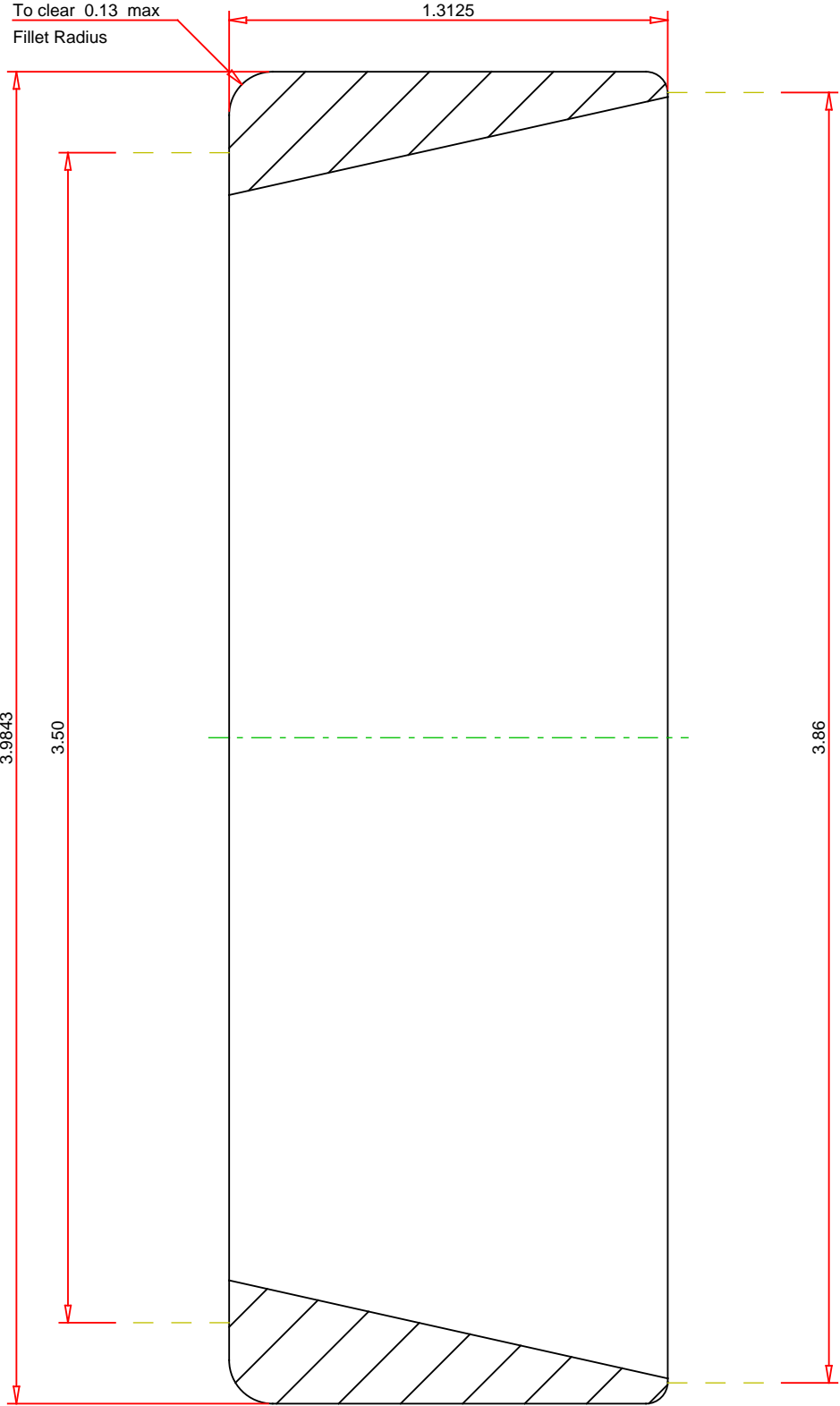
| | |
|---|-------|
| e - ISO Factor² | 0.34 |
| Y - ISO Factor³ | 1.79 |
| Cg - Geometry Factor⁴ | 0.103 |

¹ These maximum fillet radii will be cleared by the bearing corners.

² These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

³ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

⁴ Geometry constant for Lubrication Life Adjustment Factor a3l.



IMPERIAL UNITS

TIMKEN®

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NORTH CANTON, OHIO USA

4520
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