


The Timken Company

4500 Mt Pleasant St. NW

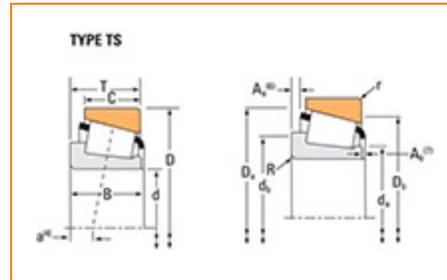
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Part Number HM218210, Tapered Roller Bearings - Single Cups - Imperial

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.



[Specifications](#) | [Dimensions](#) | [Abutment and Fillet Dimensions](#) | [Factors](#)

Specifications

| | |
|------------------------|----------|
| Series | HM218200 |
| Cup Part Number | HM218210 |
| Design Units | Imperial |

Dimensions

| | |
|-------------------------------|------------|
| D - Cup Outer Diameter | 146.975 mm |
| C - Cup Width | 32.499 mm |

Abutment and Fillet Dimensions



| | |
|---|-----------|
| r - Cup Backface "To Clear" Radius¹ | 3.56 mm |
| Da - Cup Frontface Backing Diameter | 141.00 mm |
| Db - Cup Backface Backing Diameter | 133.10 mm |

Factors

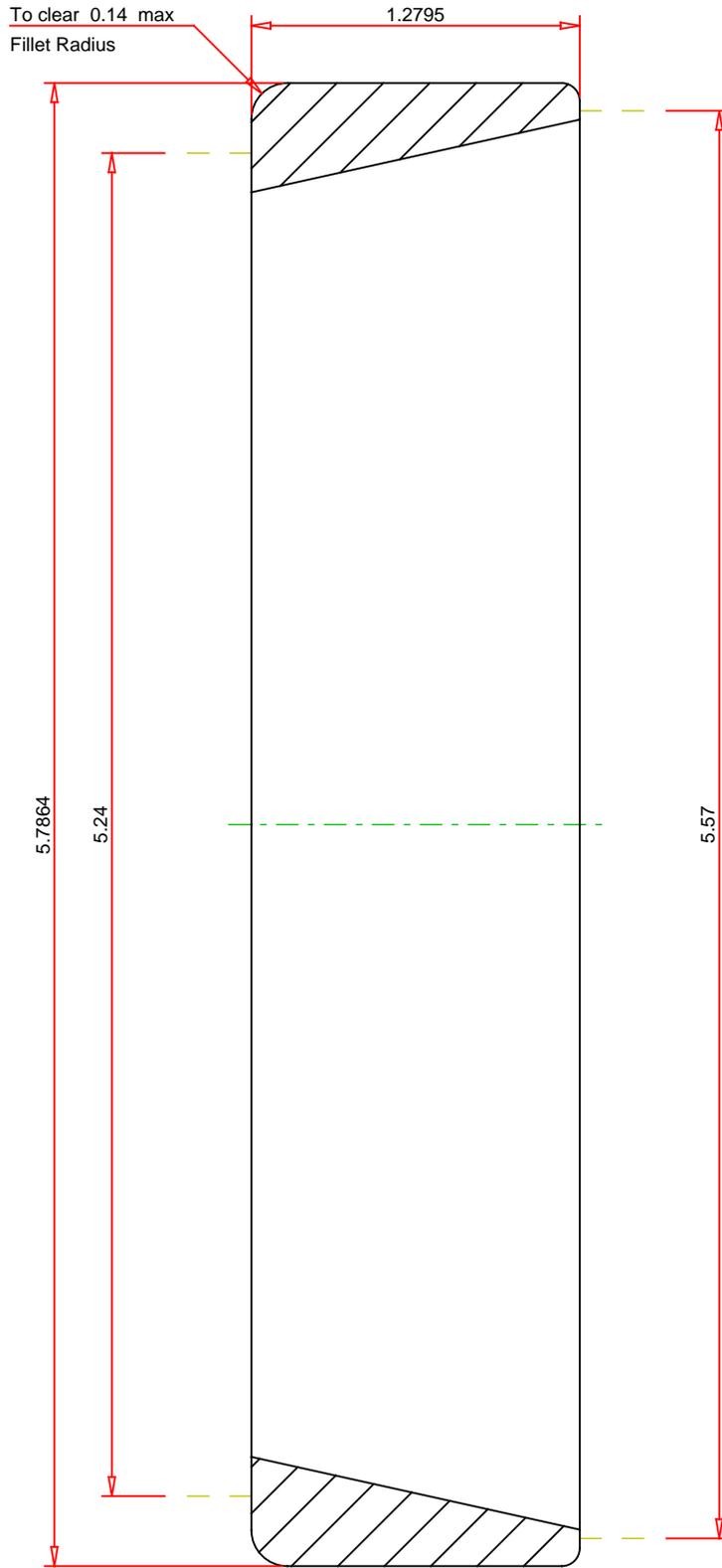
| | |
|---|--------|
| e - ISO Factor² | 0.33 |
| Y - ISO Factor³ | 1.8 |
| Cg - Geometry Factor⁴ | 0.0921 |

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®

HM218210
Tapered Roller Bearings - Single Cups - Imperial

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

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