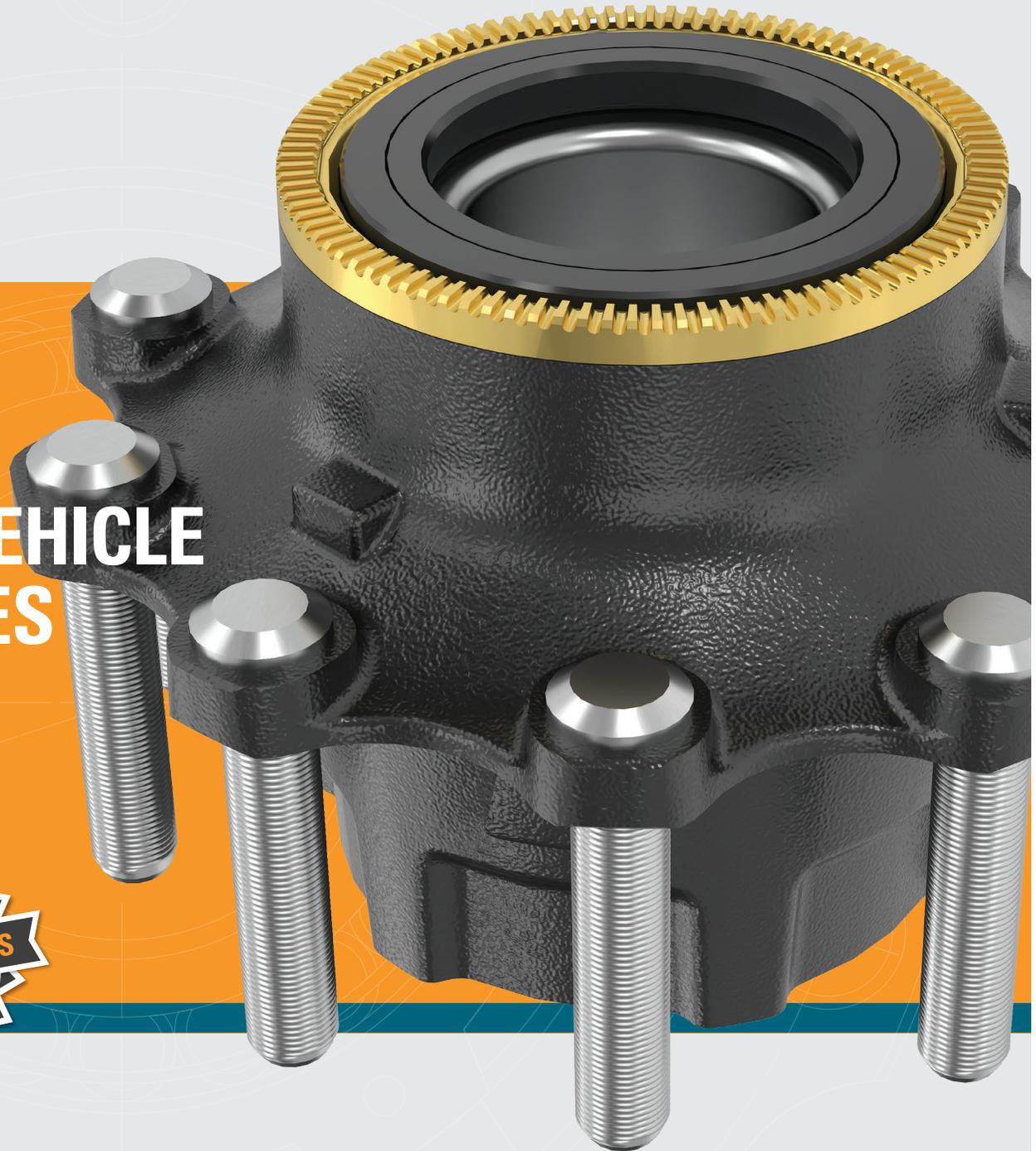


# TIMKEN

## TIMKEN® COMMERCIAL VEHICLE HUB ASSEMBLIES

ENGINEERED TO ENHANCE  
COMMERCIAL VEHICLE  
PERFORMANCE, SAFETY  
AND UPTIME

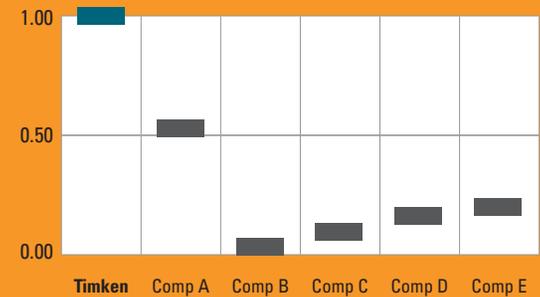


# THE TIMKEN DIFFERENCE – PREMIUM TIMKEN® TAPERED ROLLER BEARINGS

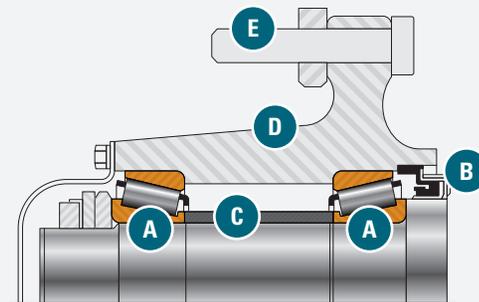
The difference between our hubs and others is what's inside – premium Timken® Tapered Roller Bearings with Set-Right® tolerances. Engineered for exceptional performance – even in severe-duty applications – **our tapered roller bearings outperform other bearings by a 2:1 margin\***.

\*Information derived from Bearing Fatigue Life Test Machines. Testing methods accepted by original equipment manufacturers. Data represents the median test life.

PERFORMANCE COMPARISON\* 580/572 (SET 401)

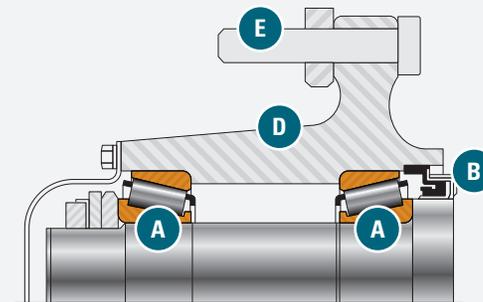


- A** PREMIUM TIMKEN® TAPERED ROLLER BEARINGS WITH SET-RIGHT® TOLERANCES
- B** PREMIUM SEAL
- C** PRECISION SPACER
- D** IRON HUB FOR DURABILITY AND ENDURANCE
- E** LONG STUDS



## PRE-ADJUSTED HUB ASSEMBLIES

- Pre-assembled and pre-adjusted for optimal bearing setting
- Easily replace entire assembly
- Reduces the risk of reusing worn parts
- Improves equipment performance
- Reduces downtime and maintenance costs
- Can use your preferred axle lock nut
- Interchangeable with competitor parts
- For commercial vehicle wheel end positions: steer, drive and trailer



## MANUALLY ADJUSTED HUB ASSEMBLIES

- Easily replace entire assembly
- Reduces the risk of reusing worn parts
- Improves equipment performance
- Reduces downtime and maintenance costs
- Can use your preferred axle lock nut
- Interchangeable with competitor parts
- For commercial vehicle wheel end positions: steer, drive and trailer

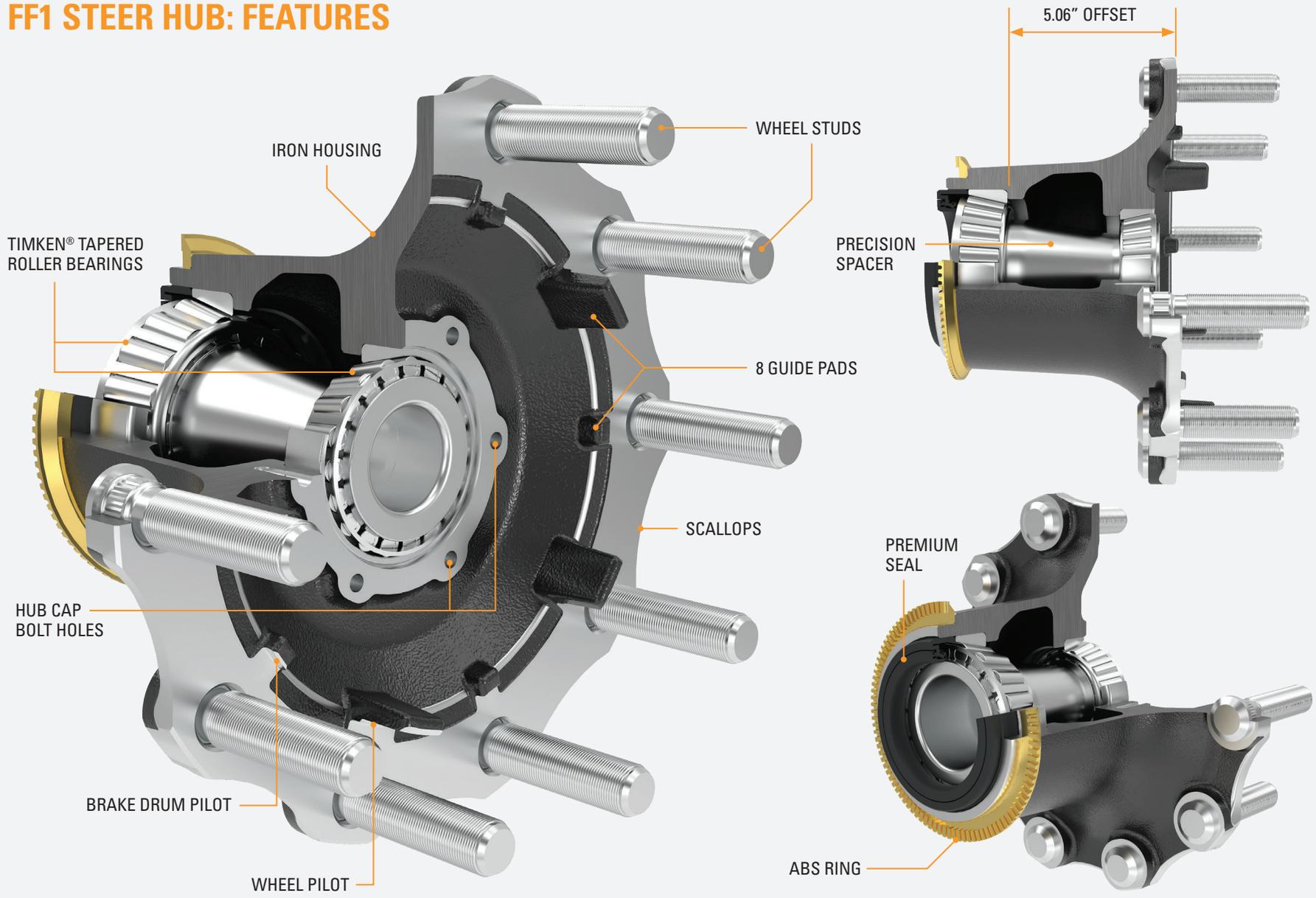
## COMMERCIAL VEHICLE HUB ASSEMBLIES: INTERCHANGE

Timken*	Description	Stud Length	Conmet		Webb	SKF
			Iron	Aluminum	Iron	Iron
RD1HUBPA	Drive Pre-Adjusted Hub Loaded	Short Stud	10082218	10082216	26432-5T-2200P	
		Long Stud	10082219	10082217	26431-3T	
FF1HUBPA	Front FF1 (5.06") Pre-Adjusted Hub Loaded	Short Stud	10082210	10082206	25062-3T-2200P	
		Long Stud	10082211	10082207	25062-3T-2300P	
		Short Stud		10082208	25061-0T	
		Long Stud		10082209		
FF2HUBPA	Front FF2 (5.44") Pre-Adjusted Hub Loaded	Short Stud	10082204	10082200	25202-1T-2300P	
		Long Stud	10082205	10082201	25202-3T-2300P	
		Short Stud		10082202	25202-3T-2200P	
		Long Stud		10082203		
FL1HUBPA	Front FL1 Pre-Adjusted Hub Loaded 5.30" Wheel Inset	Short Stud	10082214	10082212	25302-7T-2300P	
		Long Stud	10082215	10082213		
TN1HUBPA	Trailer TN Pre- Adjusted Hub Loaded	Short Stud	10082226	10082224	21032-3T-2200P	
		Long Stud	10082227	10082225	21032-5T-2200P	
		Short Stud	10086804	10086810		
		Long Stud	10086805	10086811		
TN1HUB	Trailer TN Manual Adjusted Hub Includes Cups/Races only	Short Stud	10082251	10082249	20231-3T	TNHUB1
		Long Stud	10082252	10082250	20231-5T	
TP1HUBPA	Trailer TP Pre-Adjusted Hub Loaded	Short Stud	10082230	10082228	23032-3T-2200P	
		Long Stud	10082231	10082229	23032-5T-2200P	
		Short Stud	10086807	10086813		
		Long Stud	10086808	10086814		
TP1HUB	Trailer TP Manual Adjusted Hub Includes Cups/Races only	Short Stud	10082255	10082253	23431-3T	TPHUB1
		Long Stud	10082256	10082254	23431-5T	

\*Timken hubs have long studs

Interchange information shown above is based on information available at the time of publication, portions of which were obtained from unconfirmed sources. Therefore, accuracy of interchangeability information cannot be assured.

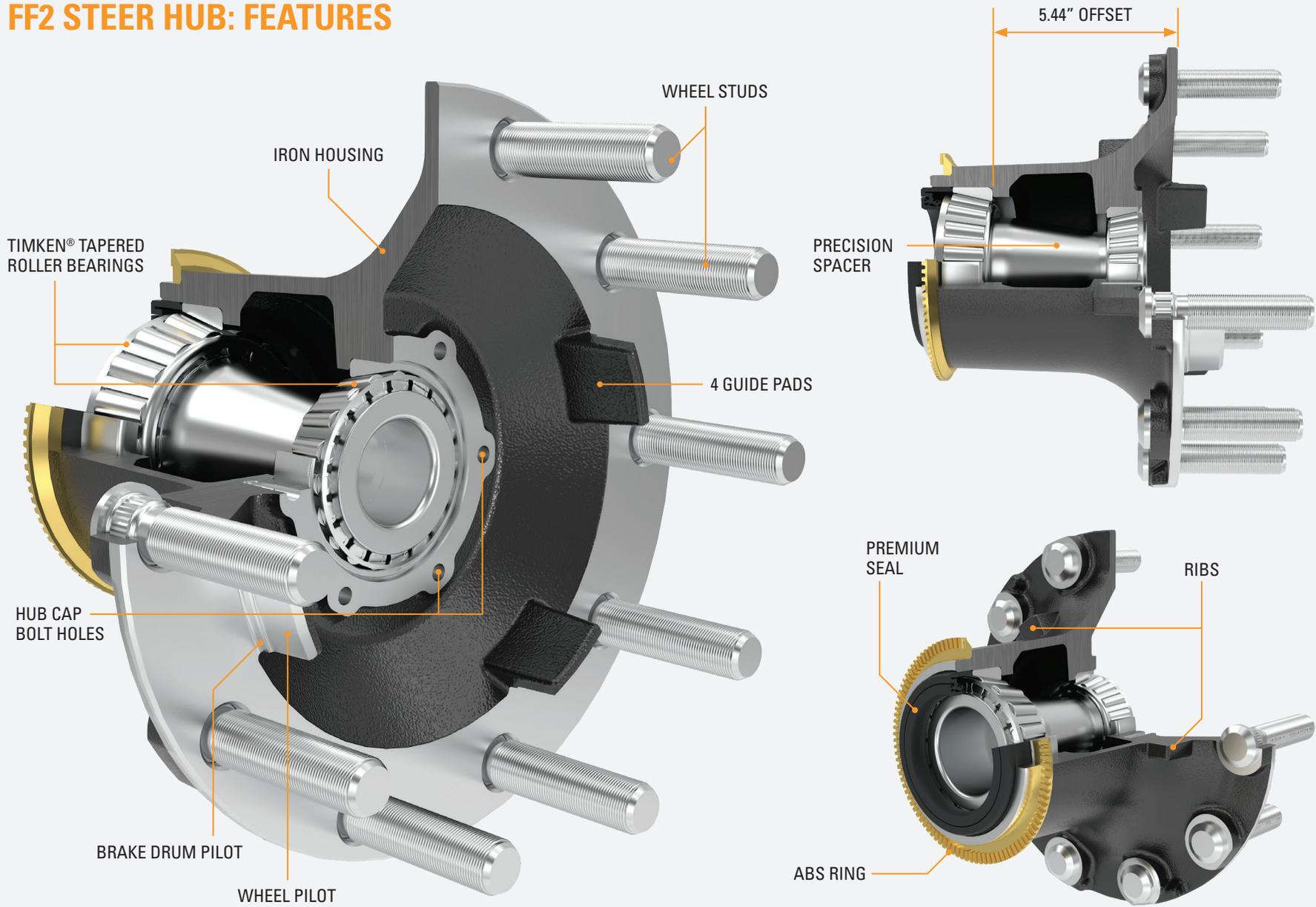
# FF1 STEER HUB: FEATURES



## FF1 STEER HUB: SPECIFICATIONS

	FF1HUBPA - Pre-Adjusted	FF1HUBA - Manual Adjusted	FF1HUB - Cups Only
MATERIAL	IRON	IRON	IRON
AXLE POSITION	STEER	STEER	STEER
AXLE	FF1 - STEER 5.06" Offset	FF1 - STEER 5.06" Offset	FF1 - STEER 5.06" Offset
ASSEMBLY TYPE	PRESET	MANUAL	HUB
BEARING SET (INBOARD)	SET427	SET427	NP026773
BEARING SET (OUTBOARD)	SET428	SET428	NP435398
COMPATIBLE BRAKE TYPE	DRUM	DRUM	DRUM
WHEEL MOUNTING SYSTEM	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.
WHEEL STUD SIZE (MM)	M22 X 1.5	M22 X 1.5	M22 X 1.5
WHEEL STUD STANDOUT (IN.)	3.19	3.19	3.19
WHEEL PILOT DIAMETER (IN)	8.65	8.65	8.65
BRAKE DRUM PILOT DIAMETER (IN)	8.78	8.78	8.78
HUB CAP BOLT PATTERN	(6 X 4.5" BC ) 5/16-18 UNC	(6 X 4.5" BC ) 5/16-18 UNC	(6 X 4.5" BC ) 5/16-18 UNC
WEIGHT (LBS.)	55	50	45
HUB REBUILD KIT	FFTC1	SET413/SET406	SET413/SET406
SPACER	103592TKR	N/A	N/A
SEAL PART NUMBER	10P35000	10P35000	10P35000

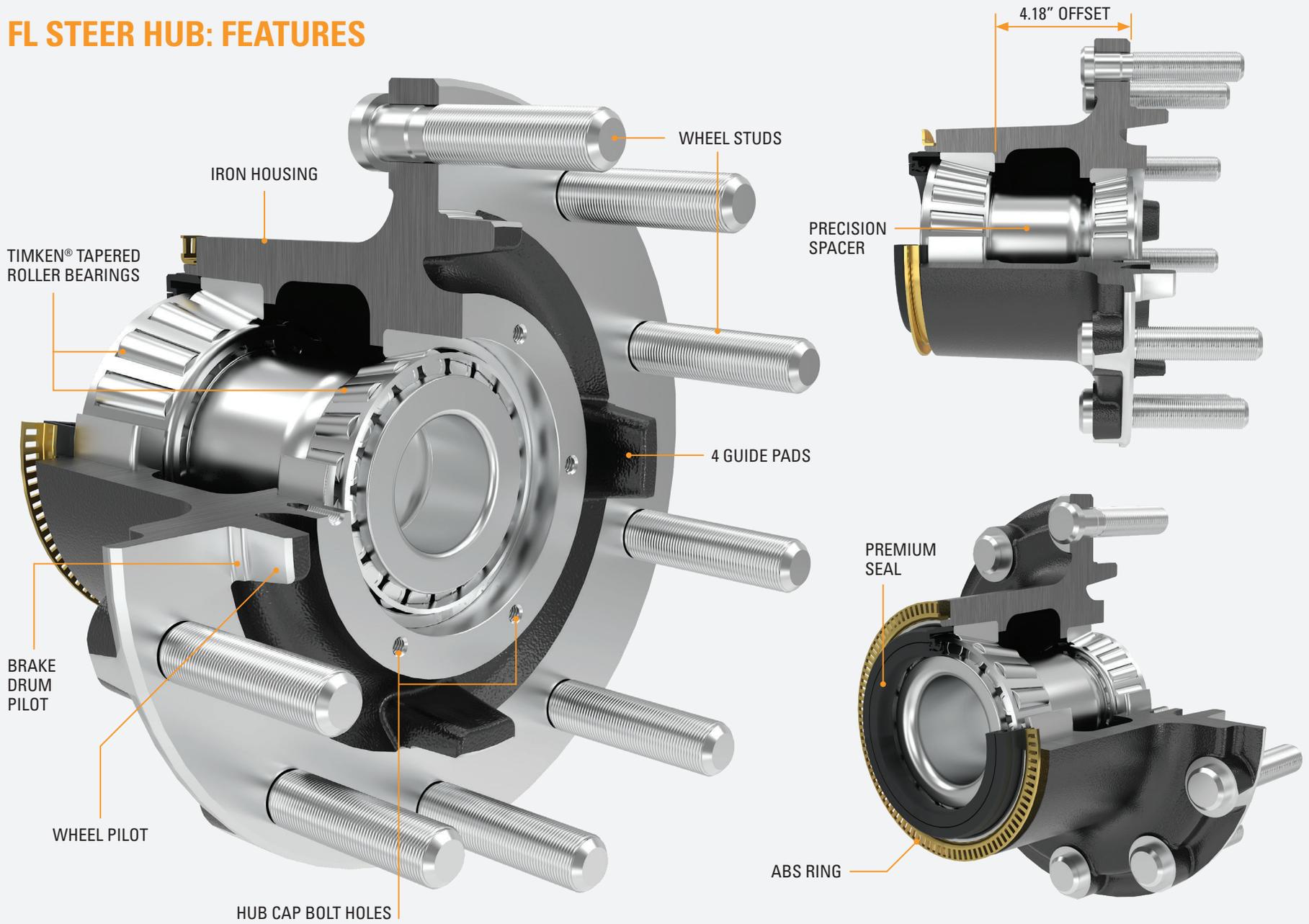
# FF2 STEER HUB: FEATURES



## FF2 STEER HUB: SPECIFICATIONS

	FF2HUBPA - Pre-Adjusted	FF2HUBA - Manual Adjusted	FF2HUB - Cups Only
MATERIAL	IRON	IRON	IRON
AXLE POSITION	STEER	STEER	STEER
AXLE	FF2 - STEER 5.44" Offset	FF2 - STEER 5.44" Offset	FF2 - STEER 5.44" Offset
ASSEMBLY TYPE	PRESET	MANUAL	HUB
BEARING SET (INBOARD)	SET427	SET427	NP026773
BEARING SET (OUTBOARD)	SET428	SET428	NP435398
COMPATIBLE BRAKE TYPE	DRUM	DRUM	DRUM
WHEEL MOUNTING SYSTEM	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.
WHEEL STUD SIZE (MM)	M22 X 1.5	M22 X 1.5	M22 X 1.5
WHEEL STUD STANDOUT (IN.)	3.19	3.19	3.19
WHEEL PILOT DIAMETER (IN)	8.65	8.65	8.65
BRAKE DRUM PILOT DIAMETER (IN)	8.78	8.78	8.78
HUB CAP BOLT PATTERN	(6 X 4.5" BC ) 5/16-18 UNC	(6 X 4.5" BC ) 5/16-18 UNC	(6 X 4.5" BC ) 5/16-18 UNC
WEIGHT (LBS.)	54	49	44
HUB REBUILD KIT	FFTC1	SET413/SET406	SET413/SET406
SPACER	103592TKR	N/A	N/A
SEAL PART NUMBER	10P35000	10P35000	10P35000

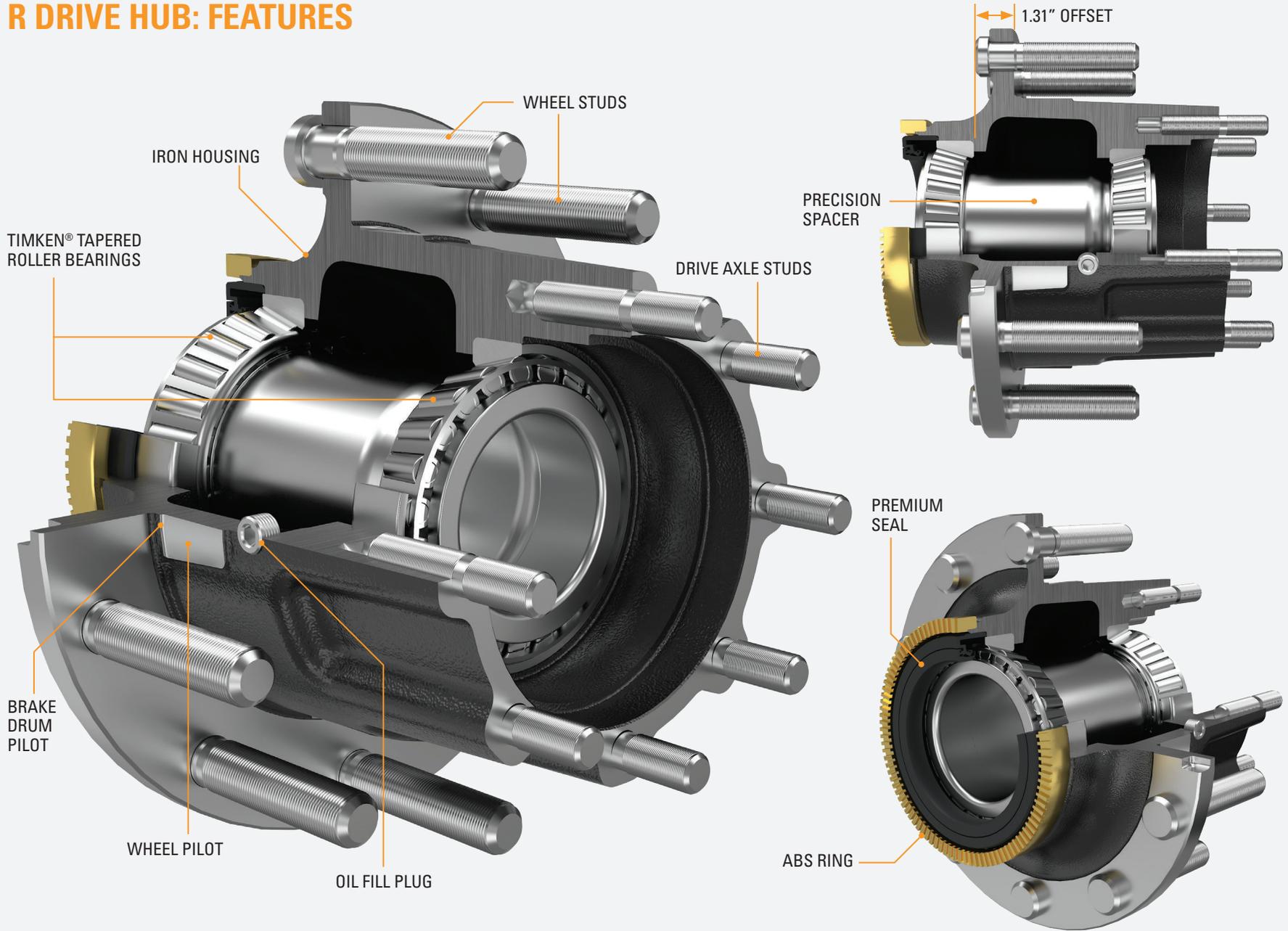
# FL STEER HUB: FEATURES



## FL STEER HUB: SPECIFICATIONS

	FL1HUBPA - Pre-Adjusted	FL1HUBA - Manual Adjusted	FL1HUB - Cups Only
MATERIAL	IRON	IRON	IRON
AXLE POSITION	STEER	STEER	STEER
AXLE	FL- STEER 4.18" Offset	FL- STEER 4.18" Offset	FL- STEER 4.18" Offset
ASSEMBLY TYPE	PRESET	MANUAL	HUB
BEARING SET (INBOARD)	SET445	SET445	NP039695
BEARING SET (OUTBOARD)	SET446	SET446	NP183330
COMPATIBLE BRAKE TYPE	DRUM	DRUM	DRUM
WHEEL MOUNTING SYSTEM	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.
WHEEL STUD SIZE (MM)	M22 X 1.5	M22 X 1.5	M22 X 1.5
WHEEL STUD STANDOUT (IN.)	3.03	3.03	3.03
WHEEL PILOT DIAMETER (IN)	8.65	8.65	8.65
BRAKE DRUM PILOT DIAMETER (IN)	8.78	8.78	8.78
HUB CAP BOLT PATTERN	(6 X 5.5" BC ) 5/16-18 UNC	(6 X 5.5" BC ) 5/16-18 UNC	(6 X 5.5" BC ) 5/16-18 UNC
WEIGHT (LBS.)	81	71	62
HUB REBUILD KIT	FLTC1	SET423/SET424	SET423/SET424
SPACER	103807TKR	N/A	N/A
SEAL PART NUMBER	10P43750	10P43750	10P43750

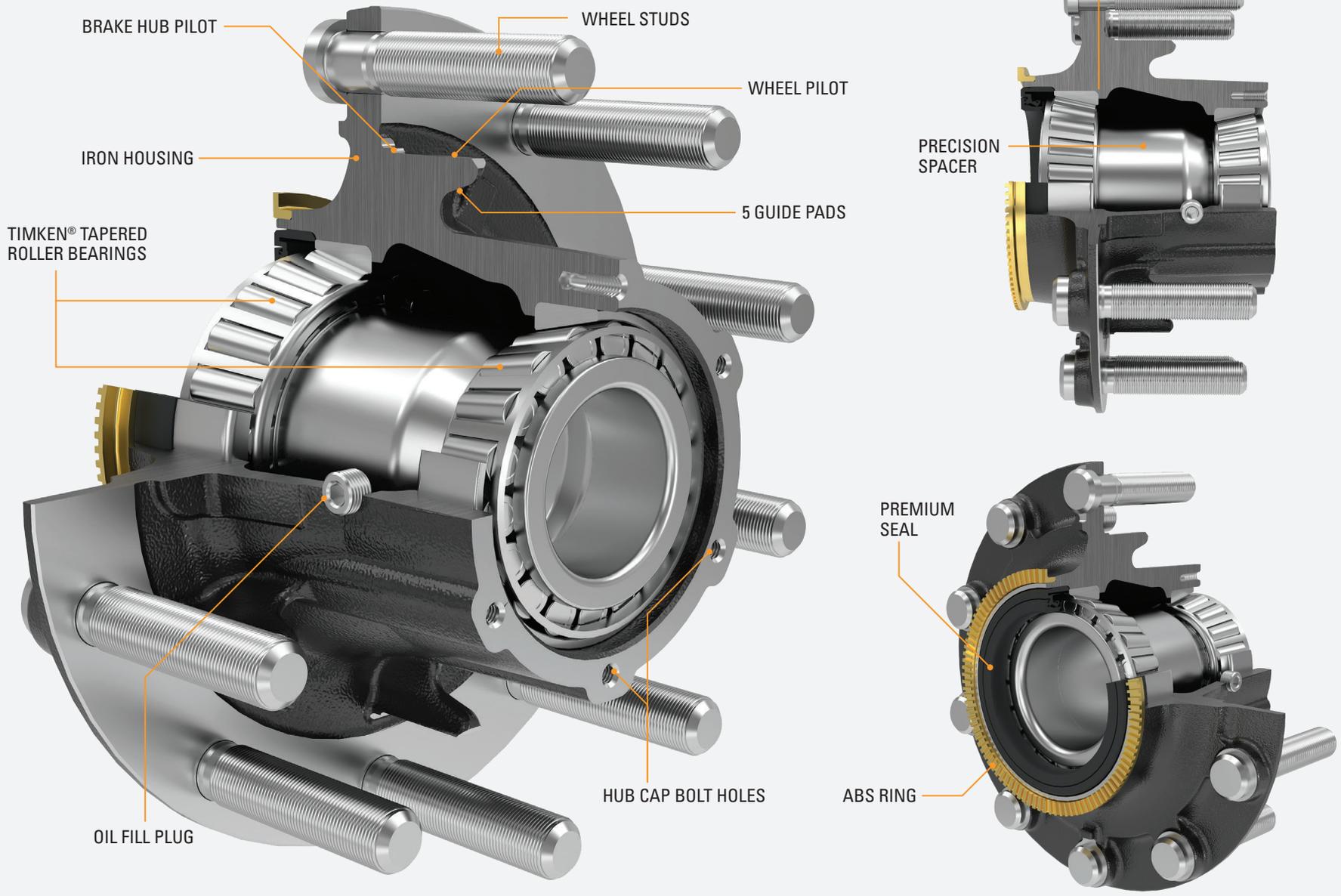
# R DRIVE HUB: FEATURES



## R DRIVE HUB: SPECIFICATIONS

	RD1HUBPA - Pre-Adjusted	RD1HUBA - Manual Adjusted	RD1HUB - Cups Only
MATERIAL	IRON	IRON	IRON
AXLE POSITION	DRIVE	DRIVE	DRIVE
AXLE	RD - Drive 1.31" Offset	RD - Drive 1.31" Offset	RD - Drive 1.31" Offset
ASSEMBLY TYPE	PRESET	MANUAL	HUB
BEARING SET (INBOARD)	SET429	SET429	NP363298
BEARING SET (OUTBOARD)	SET430	SET430	NP053874
COMPATIBLE BRAKE TYPE	DRUM	DRUM	DRUM
WHEEL MOUNTING SYSTEM	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.
WHEEL STUD SIZE (MM)	M22 X 1.5	M22 X 1.5	M22 X 1.5
WHEEL STUD STANDOUT (IN.)	4.06	4.06	4.06
WHEEL PILOT DIAMETER (IN)	8.65	8.65	8.65
BRAKE DRUM PILOT DIAMETER (IN)	8.78	8.78	8.78
DRIVE AXLE STUD	(8 X 7.00 BC ) 5/8-18 UNF STUDS	(8 X 7.00 BC ) 5/8-18 UNF STUDS	(8 X 7.00 BC ) 5/8-18 UNF STUDS
WEIGHT (LBS.)	80	68	57
HUB REBUILD KIT	RDTC1	SET403/SET401	SET403/SET401
SPACER	103593TKR	N/A	N/A
SEAL PART NUMBER	11P47670	11P47670	11P47670

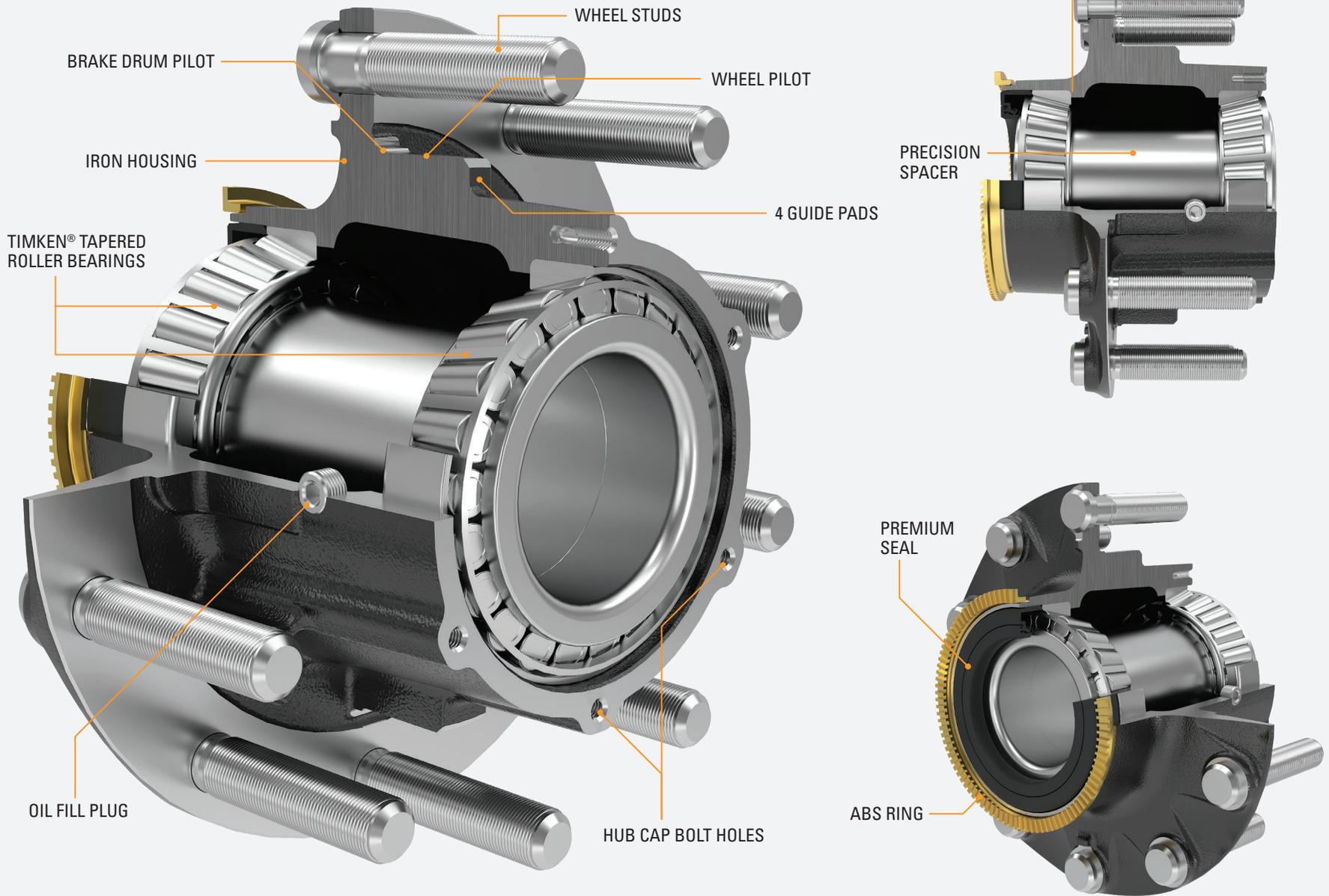
# N (TAPERED SPINDLE) TRAILER HUB: FEATURES



## N (TAPERED SPINDLE) TRAILER HUB: SPECIFICATIONS

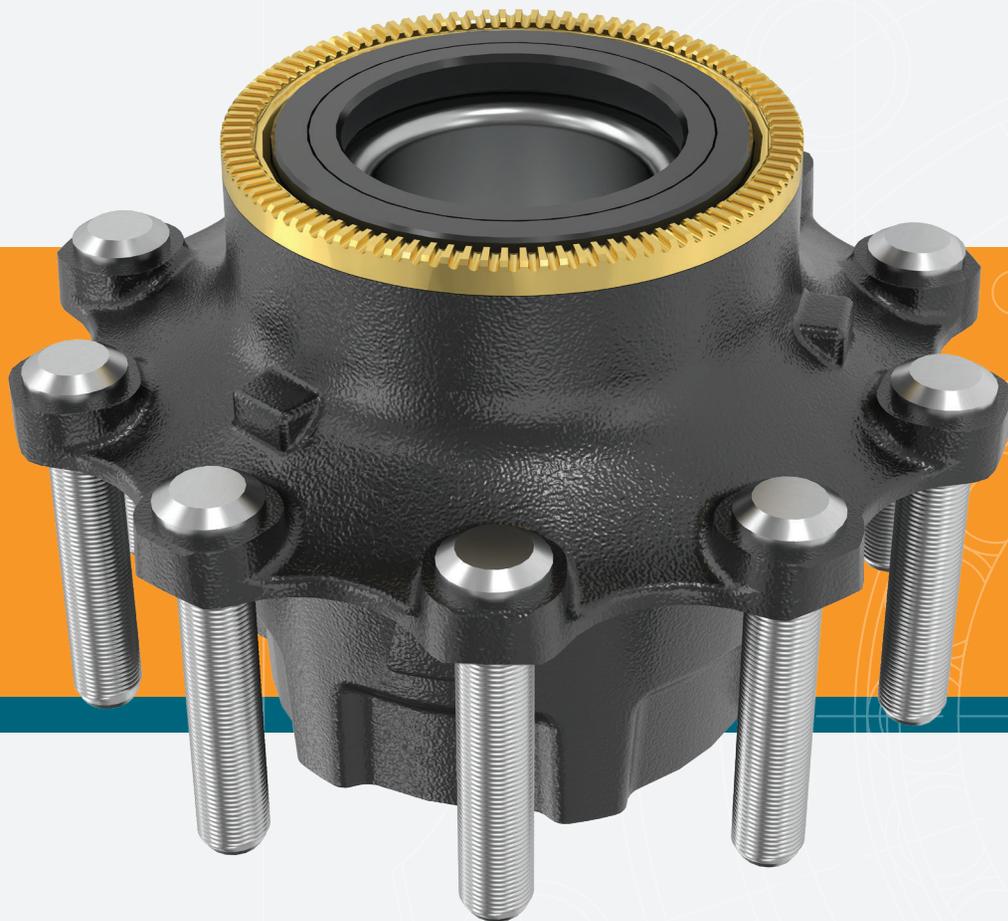
	TN1HUBPA - Pre-Adjusted	TN1HUBA - Manual Adjusted	TN1HUB - Cups Only
MATERIAL	IRON	IRON	IRON
AXLE POSITION	TRAILER	TRAILER	TRAILER
AXLE	TN - Trailer 0.29" Offset	TN - Trailer 0.29" Offset	TN - Trailer 0.29" Offset
ASSEMBLY TYPE	PRESET	MANUAL	HUB
BEARING SET (INBOARD)	SET431	SET431	NP503727
BEARING SET (OUTBOARD)	SET427	SET427	NP026773
COMPATIBLE BRAKE TYPE	DRUM	DRUM	DRUM
WHEEL MOUNTING SYSTEM	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.
WHEEL STUD SIZE (MM)	M22 X 1.5	M22 X 1.5	M22 X 1.5
WHEEL STUD STANDOUT (IN.)	4.16	4.16	4.16
WHEEL PILOT DIAMETER (IN)	8.65	8.65	8.65
BRAKE DRUM PILOT DIAMETER (IN)	8.78	8.78	8.78
HUB CAP BOLT PATTERN	(6 x 5.500 BC ) 5/16-18 UNC	(6 x 5.500 BC ) 5/16-18 UNC	(6 x 5.500 BC ) 5/16-18 UNC
WEIGHT (LBS.)	51	49	47
HUB REBUILD KIT	TNTC1	SET414/SET413	SET414/SET413
SPACER	104144TKR	N/A	N/A
SEAL PART NUMBER	12P46250	12P46250	12P46250

# P (PARALLEL SPINDLE) TRAILER HUB: FEATURES



## P (PARALLEL SPINDLE) TRAILER HUB: SPECIFICATIONS

	TP1HUBPA - Pre-Adjusted	TP1HUBA - Manual Adjusted	TP1HUB - Cups Only
MATERIAL	IRON	IRON	IRON
AXLE POSITION	TRAILER	TRAILER	TRAILER
AXLE	TP - Trailer 1.29" Offset	TP - Trailer 1.29" Offset	TP - Trailer 1.29" Offset
ASSEMBLY TYPE	PRESET	MANUAL	HUB
BEARING SET (INBOARD)	SET432	SET432	NP593561
BEARING SET (OUTBOARD)	SET432	SET432	NP593561
COMPATIBLE BRAKE TYPE	DRUM	DRUM	DRUM
WHEEL MOUNTING SYSTEM	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.	10 Stud x 11.25" Bolt Circle Dia.
WHEEL STUD SIZE (MM)	M22 X 1.5	M22 X 1.6	M22 X 1.7
WHEEL STUD STANDOUT (IN.)	4.16	4.16	4.16
WHEEL PILOT DIAMETER (IN)	8.65	8.65	8.65
BRAKE DRUM PILOT DIAMETER (IN)	8.78	8.78	8.78
HUB CAP BOLT PATTERN	(6 x 6.750 BC ) 5/16-18 UNC	(6 x 6.750 BC ) 5/16-18 UNC	(6 x 6.750 BC ) 5/16-18 UNC
WEIGHT (LBS.)	56	54	45
HUB REBUILD KIT	TPTC1	SET415	SET415
SPACER	104412TKR	N/A	N/A
SEAL PART NUMBER	12P42500	12P42500	12P42500



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# TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

**Stronger. By Design.**

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