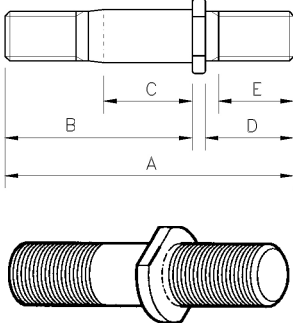


# WHEEL AND HUB PARTS

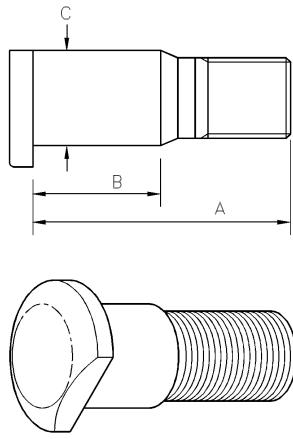
## Disc Wheel Studs

### DISC WHEEL STUDS

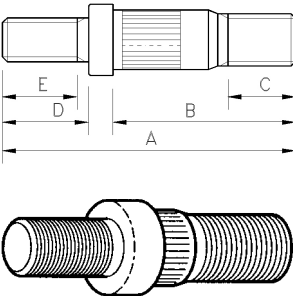
#### Clipped Collar Shoulder Studs

GRADE 8  3/4" – 16 THREAD BOTH ENDS	PART NO.	REPLACES	DIMENSIONS				
			A	B	C	D	E
	05.4213.L&R	Budd 13989 (LH) Budd 13988 (RH)	3-23/32" = 94.5mm	2-3/16" = 55.6mm	1-1/16" = 27.0mm	1-11/32" = 34.1mm	1-5/32" = 29.4mm
	05.4217.L&R	Budd 22006 (LH) Budd 22005 (RH)	4-11/32" = 110.3mm	2-13/16" = 71.4mm	1-25/32" = 45.2mm	1-11/32" = 34.1mm	1-5/32" = 29.4mm
	05.4218.L&R	Budd 16272 (LH) Budd 16271 (RH)	4-17/32" = 115.1mm	3" = 76.2mm	1-29/32" = 48.4mm	1-11/32" = 34.1mm	1-5/32" = 29.4mm
	05.4219.L&R	Budd 16004 (LH) Budd 16003 (RH)	5-1/32" = 127.8mm	3-1/2" = 88.9mm	2-15/32" = 62.7mm	1-11/32" = 34.1mm	1-5/32" = 29.4mm

#### Clipped Head Stud – Plain Body

GRADE 8  3/4" – 16 THREAD	PART NO.	REPLACES	DIMENSIONS			
			A	B	C	Type
	05.4407.L&R	Budd 40337 (LH) Budd 40336 (RH) Gunite 20049 (LH) Gunite 20048 (RH)	2-1/4" = 57.2mm	1-1/32" = 26.2mm	7/8" = 22.2mm	1

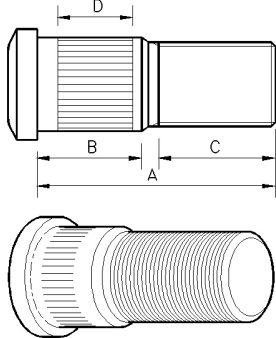
#### Bus and Heavy-Duty Front Studs

GRADE 8  7/8" – 14 THREAD HUB END 3/4" – 16 THREAD WHEEL END	PART NO.	REPLACES	DIMENSIONS				
			A	B	C	D	E
	05.4707.L&R	Rockwell 20X-1233 (LH) Rockwell 20X-1234 (RH)	4-15/16" = 125.4mm	3-3/32" = 32.5mm	1-7/16" = 36.5mm	1-11/32" = 34.1mm	1-3/16" = 30.2mm
	Stud Body Diameter (Next to Knurl) 24.8mm Knurl Diameter 25.4mm						

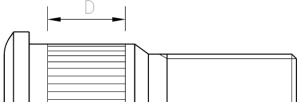
## WHEEL AND HUB PARTS

### *Disc Wheel Studs*

#### Front Wheel Studs

GRADE 8  1-1/8" - 16 THREAD	PART NO.	REPLACES		DIMENSIONS				Type
		BUDD	ROCKWELL	A	B	C	D	
	<b>05.4817.L&amp;R</b>	83819 (LH) 83818 (RH)	20X-378 (LH) 20X-377 (RH)	2-5/8" = 66.7mm	7/8" = 22.2mm	1-3/4" = 45.5mm	7/16" = 11.1mm	2
<b>Type 1</b> Stud Body Diameter (Next to Knurl) 1.218"/1.222" (30.94/31.04mm) <b>Type 2</b> Stud Body Diameter (Next to Knurl) 1.214"/1.218" (30.84/30.94mm) Knurl Diameter 31.8mm								

#### Serrated Wheel Studs

GRADE 8 	PART NO.	REPLACES	DIMENSIONS			
			A	B	C	D
	<b>05.5015.L&amp;R</b>	Kenworth K233-287L (LH) Kenworth K233-287R (RH)	3-3/8" = 85.7mm	1-3/8" = 34.9mm	1-3/32" = 27.8mm	1" = 25.4mm

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OFFENDING COMMAND: ~

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