

# 90° ELBOW LIFE CYCLE COST COMPARISON

**ULTRA 600 INDUCTION HARDENED ELBOW**

8,000 Hour Ownership Cost 12" Dia.



ORIGINAL INSTALL		Repairs at 2,000 HOURS	Repairs at 4,000 HOURS	Repairs at 6,000 HOURS	8,000 HOUR COST OF OWNERSHIP
<b>AT GRADE</b>					
ELBOW		\$ 5,400			<b>AT GRADE</b> <b>\$ 8,430</b>
FIELD LABOR	30 \$ 85.00	\$ 2,550			
MANLIFT		\$ -			
CRANE/TOWMOTOR		\$ 480			
ORIGINAL INSTALL COST		<b>\$ 8,430</b>	<b>\$ 0</b>	<b>\$ 0</b>	
<b>AT 30' EL</b>					
ELBOW		\$ 5,400			<b>AT 30' EL</b> <b>\$ 13,260</b>
FIELD LABOR	36 \$ 85.00	\$ 3,060			
MANLIFT		\$ 2,400			
CRANE		\$ 2,400			
ORIGINAL INSTALL COST		<b>\$ 13,260</b>	<b>\$ 0</b>	<b>\$ 0</b>	
<b>AT 100' EL</b>					
ELBOW		\$ 5,400			<b>AT 100' EL</b> <b>\$ 16,680</b>
FIELD LABOR	48 \$ 85.00	\$ 4,080			
MANLIFT		\$ 3,600			
CRANE		\$ 3,600			
ORIGINAL INSTALL COST		<b>\$ 16,680</b>	<b>\$ 0</b>	<b>\$ 0</b>	

# 90° ELBOW LIFE CYCLE COST COMPARISON

## TRADITIONAL WEARBACK ELBOW

8,000 Hour Ownership Cost 12" Dia.

ORIGINAL INSTALL		Replace Wear Back at 2,000 HOURS	Replace Wear Back at 4,000 HOURS	Replace Wear Back at 6,000 HOURS	8,000 HOUR COST OF OWNERSHIP
<b>AT GRADE</b>					
ELBOW	\$ 4,500	\$ 1,200	\$ 1,200	\$ 1,200	<b>AT GRADE \$ 14,100</b>
FIELD LABOR    12 \$ 85.00	\$ 1,020	\$ 1,020	\$ 1,020	\$ 1,020	
MANLIFT	\$ -	\$ -	\$ -	\$ -	
CRANE/TOWMOTOR	\$ 480	\$ 480	\$ 480	\$ 480	
ORIGINAL INSTALL COST	<b>\$ 6,000</b>	<b>\$ 2,700</b>	<b>\$ 2,700</b>	<b>\$ 2,700</b>	
<b>AT 30' EL</b>					
ELBOW	\$ 4,500	\$ 1,200	\$ 1,200	\$ 1,200	<b>AT 30' EL \$ 35,460</b>
FIELD LABOR    24 \$ 85.00	\$ 2,040	\$ 2,040	\$ 2,040	\$ 2,040	
MANLIFT	\$ 2,400	\$ 2,400	\$ 2,400	\$ 2,400	
CRANE	\$ 2,400	\$ 2,400	\$ 2,400	\$ 2,400	
ORIGINAL INSTALL COST	<b>\$ 11,340</b>	<b>\$ 8,040</b>	<b>\$ 8,040</b>	<b>\$ 8,040</b>	
<b>AT 100' EL</b>					
ELBOW	\$ 4,500	\$ 1,200	\$ 1,200	\$ 1,200	<b>AT 100' EL \$ 47,780</b>
FIELD LABOR    32 \$ 85.00	\$ 2,720	\$ 2,720	\$ 2,720	\$ 2,720	
MANLIFT	\$ 3,600	\$ 3,600	\$ 3,600	\$ 3,600	
CRANE	\$ 3,600	\$ 3,600	\$ 3,600	\$ 3,600	
ORIGINAL INSTALL COST	<b>\$ 14,420</b>	<b>\$ 11,120</b>	<b>\$ 11,120</b>	<b>\$ 11,120</b>	