

WATER PIPING SYSTEM APPLICATION

Piping is an important part of modern water and wastewater treatment systems, water pumping units, desalination units, cooling water systems and others. Piping systems are more heavier than electricity units, therefore the insulation utility will be larger in size and stronger in strength. We are also very often to see the piping cutting application in construction site.

In this application, we are always need to have metal cutting like U-shape channel, angle iron, metal pipe and threaded rod and etc. They could be in different size with different base material like mile steel, cast iron and stainless steel and etc. In short, we cannot avoid to cut above materials.

Then the question is how can we cut it in more safe way?

Let's take metal pipe as example.



Water pipe cutting application

Water pipe cutting is very often in jobsite, we always need to base on the jobsite situation to adjust the pipe length. Most of the time we will use threaded machine for the stationary cutting duty. But some case we need to use hand tool for cutting, no matter on ground or overhead. Let's see what kind of hand tools we can use and what are their strengths and weakness are.

		Angle Grinder	Circular Saw	Band Saw	Reciprocating Saw
PERFORMANCE	Cutting Speed	★★	★★★	★★★	★★★
	Cutting Finishing	★	★★★	★★★★	★★★
SAFETY	Spark/ Less Safety	★	★★★	★★★★★	★★
	Cutting Vibration	★★	★★★★	★★★★★	★
	Flexibility	★★★★★	★★★	★★	★★★★
USER EXPERIENCE	Materials Coverage	★★★★	★★★	★★★	★★★★★
	Shape & Materials Coverage	★★★★★	★★★	★★	★★★★★
INSERT LIFE	Insert Lifetime	★	★★★★★	★★★	★★★
TOTAL SCORE		21	27	27	27

Reciprocating Saw Portfolios Multiple Cutting with High Flexibility

COMPACT CLASS SR 4-22



POWER CLASS SR 6-22



TECHNICAL DATA	Stroke Length	23mm	32mm
	Stroke Rate	3,000 strokes/ minute	2,600 strokes/ minute
	Tool Body Weight	2kg	3.1kg
	Triaxial vibration value for cutting board (ah,B)	11.1 m/s ² 2	13 m/s ² 2
	Key Features	<ul style="list-style-type: none"> Light in weight Very compact Design for one hand operate 	<ul style="list-style-type: none"> Powerful in metal cutting The benchmark of ergonomics design
	Key Benefits	<ul style="list-style-type: none"> Provide the best experience with low vibration Small grip size 	<ul style="list-style-type: none"> The low vibration and fatigue among the class Compactable for Hilti DRS



SRB Product selector

	BEST	BETTER	GOOD
Thin metal	SP Metal TPI 18	P Metal TPI 18	
Medium metal	SP Metal TPI 14	P Metal TPI 14	
Thick metal		SP Metal TPI 10	P Metal TPI 14
Stainless steel	SPX Metal		
Cast iron		SPX Universal	
Non-ferrous metal	P Metal TPI 18	P Universal	
Plastics/ Composites	SPX Universal	SP Universal	P Universal
Drywall/ Plaster	SPX Fiber & Plaster	SPX Universal	
Brick/ Light concrete	SPX Brick	SPX Light Concrete	
Wood	SP Wood		
Nail-embedded wood	SPX Wood Metal	SP Wood Metal	
Demolition		SP Universal	P Universal
Fire & Rescue	SPX Universal	SP Rescue	