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 heaver 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
DEDECRIMANOE	Cutting Speed	**	***	***	***
PERFORMANCE	Cutting Finishing	*	***	****	***
	Spark/ Less Safety	*	***	****	**
SAFETY	Cutting Vibration	**	****	****	*
	Flexibility	****	***	**	****
	Materials Coverage	****	***	***	****
USER EXPERIENCE	Shape & Materials Coverage	****	***	**	****
INSERT LIFE	Insert Lifetime	*	****	***	***
	TOTAL SCORE	21	27	27	27

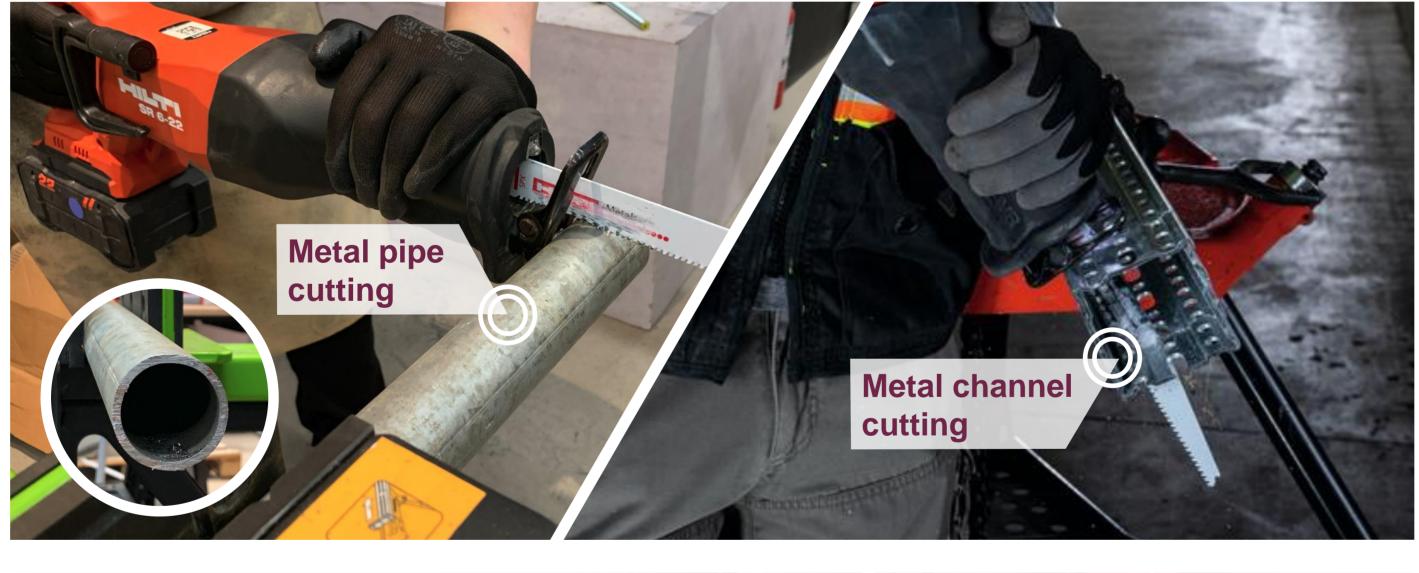
Reciprocating Saw Portfolios Multiple Cutting with High Flexibility

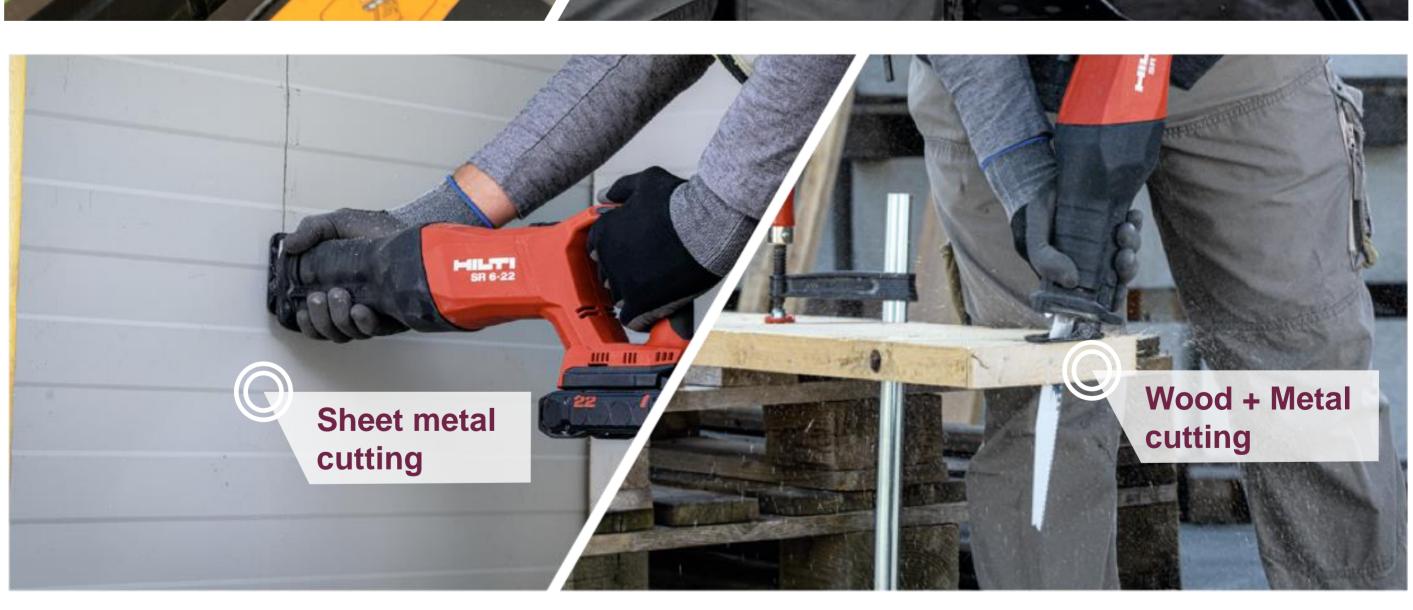
SR 4-22

POWER CLASS SR 6-22



	Stroke Length	23mm	32mm
TECHNICAL DATA	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	Light in weightVery compactDesign for one hand operate	Powerful in metal cuttingThe benchmark of ergonomics design
	Key Benefits	Provide the best experience with low vibrationSmall grip size	 The low vibration and fatigue among the class Compactable for Hilti DRS





SRB Product selector

Fire & Rescue

RD 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	SPX Universal			
Wille.	Cast iron					
	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	SP Wood Metal			
9:	Nail-embedded wood	SPX Wood Metal	OI WOOD WIEtal			
	Demolition	SPX Universal	SP Universal	P Universal		
A PARKET		OI A UIIIVEI Sai				

SP Rescue