

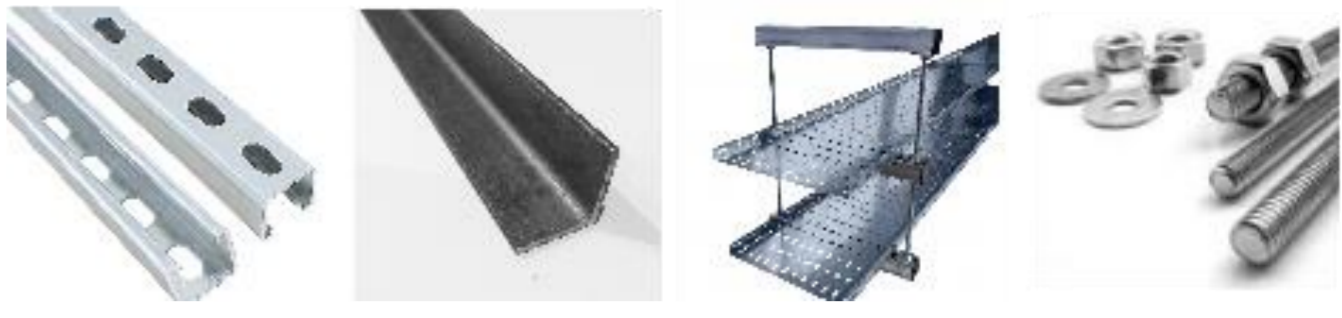
# MEP APPLICATION

NURON

MEP refers to the essential building services: Mechanical, Electrical, and Plumbing. These engineering fields work together to ensure buildings are functional and habitable. Installations under each MEP will be very common in overhead. That will increase the difficulty in installation, especially that will require some overhead cutting procedure. We need to address for those potential safety risk and define the safety solution to protect the works.

In MEP application, we are always need to have metal cutting like strut channel, angle iron, cable tray and threaded rod and etc. They could be in different size with different base material like mild 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 threaded rod as example.



## Threaded rod cutting in MEP application

Threaded rod is the most common materials in MEP installation. Sometimes we cut on ground but also will cut it overhead. The ideal situation during the cutting should be stable, less spark with no burr, the nut can be easy to install after cut. Let's see how many tools can apply into this cutting job.



		Angle Grinder	Circular Saw	Band Saw	Reciprocating Saw	Rod Cutter (only below M10)
PERFORMANCE	Cutting Speed	★★★	★★★★★	★★	★★★	★★★★★
	Cutting Finishing	★	★★★★	★★★★	★★★	★★★★★
SAFETY	Spark/Less Safety	★	★★★	★★★★★	★★	★★★★★
	Cutting Vibration	★★	★★★★	★★★★★	★	★★★★★
	Flexibility	★★★★★	★★★	★★	★★★★	★★
	Materials Coverage	★★★★	★★★	★★★	★★★★★	★
USER EXPERIENCE	Shape & Materials Coverage	★★★★★	★★★	★★	★★★★★	★
INSERT LIFE	Insert Lifetime	★	★★★★★	★★★	★★★	★★★★
	<b>TOTAL SCORE</b>	22	<b>30</b>	26	26	28

## Circular saw portfolios provide you a fast cut with safety

COMPACT CLASS  
**SC 4MR-22**



POWER CLASS  
**SC 6ML-22**



TECHNICAL DATA	Blade location	Blade Right	Blade Left
	Max. cutting depth & blade diameter	44mm in 125mm blade 51mm in 136mm blade	60mm in 165mm blade
	Can cut materials	Metal, Steel, Stainless steel	Metal, Steel, Stainless steel, Non-ferrous metal
	No load RPM	gear 1: 4500 rpm	gear 1: 4000 rpm
	Dimensions (L x W x H)	296 x 161 x 231 mm	296 x 168 x 253 mm
	Tool body weight	2.2kg	2.5kg
	Triaxial vibration for cutting board (ah, B)	1.5 m/s <sup>2</sup>	1.5 m/s <sup>2</sup>
	Suitable application	<ul style="list-style-type: none"> <li>M&amp;E light duty cutting application</li> <li>Over head cutting application</li> </ul>	<ul style="list-style-type: none"> <li>SM/ M&amp;E/ IF Mid-Duty cutting application</li> </ul>



## SCB Metal Product Selector 2024



	ULTIMATE ●●●●●	ULTIMATE ●●●●●	PREMIUM ●●●●○	PREMIUM ●●●●○
	<b>XCUT STRUCTURE</b>	<b>XCUT THIN</b>	<b>STEEL</b>	<b>ALUMINUM</b>
Saw blade portfolio & relevant base materials	INOX  Steel	INOX  Steel	Steel	Aluminum, non ferrous

SC 4MR-22	SC 6ML-22		
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<b>SM</b>	<ul style="list-style-type: none"> <li>angle iron</li> <li>plate</li> <li>tubing</li> </ul>	<ul style="list-style-type: none"> <li>INOX plate</li> </ul>	<ul style="list-style-type: none"> <li>angle iron</li> <li>flat steel</li> <li>tubing</li> <li>sheet/ deck</li> </ul>	<ul style="list-style-type: none"> <li>facade elements</li> </ul>
<b>M(E)</b>	<ul style="list-style-type: none"> <li>metal pipe</li> <li>U-channel</li> <li>rod</li> <li>cable tray</li> </ul>	<ul style="list-style-type: none"> <li>HVAC sheet</li> </ul>	<ul style="list-style-type: none"> <li>metal pipe</li> <li>all channel</li> <li>all-thread</li> <li>cable tray</li> </ul>	<ul style="list-style-type: none"> <li>installation channel</li> <li>copper pipe (demolition)</li> </ul>
<b>BC</b>		<ul style="list-style-type: none"> <li>rod</li> <li>pipe</li> <li>strut</li> <li>rebar</li> </ul>		
<b>IF</b>	<ul style="list-style-type: none"> <li>angle iron</li> <li>U-channel</li> <li>rod</li> </ul>	<ul style="list-style-type: none"> <li>sheet metal</li> </ul>	<ul style="list-style-type: none"> <li>heavy gauge strut</li> <li>rods</li> </ul>	<ul style="list-style-type: none"> <li>door &amp; window frame</li> </ul>