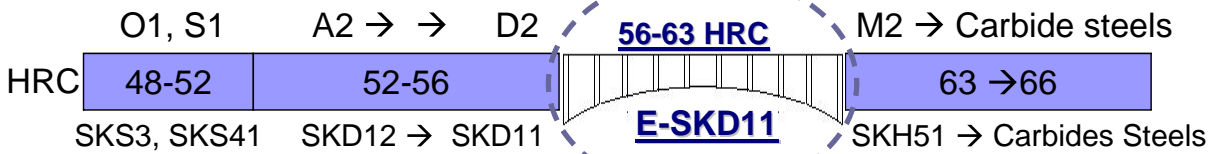


Enhanced-SKD11 E-SKD11

E-SKD11: A cold work tool steel that bridges the gap between SKD11 (D2) and SKH51 (M2), for higher hardness, better toughness and superior resiliency.



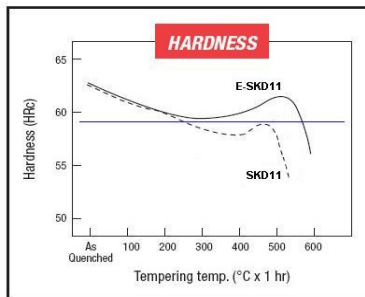
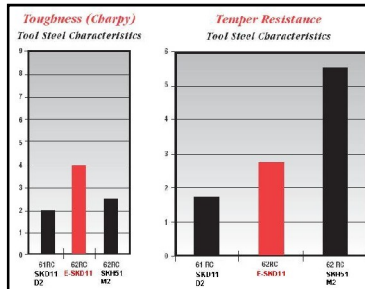
- The economical range of SKD11 (D2) is within 50-54HRC....go up Higher, then utilization goes down due to its brittleness. Tools will fail rapidly.
- The economical range of SKH51 (M2) is from HRC63 and above, use it for anything lower than that constitutes to overkill. Your tool will be expensive for your application....not to mention brittleness still being a factor.
- **The critical range of 56-63HRC is where E-SKD11 works best!**
This is the range where E-SKD11 is economically hard, tough and resilient!
It can shear cut, die cut, punch, roll, draw, swag, and form...
With impressive tool life !!!

E-SKD11 Brings you....

- Higher hardness than SKD11 or D2....at 62-63HRC after heat treatment and after higher tempering temperature
- Twice the toughness of SKD11 or D2
- Superior wear resistance
- Higher tempering temperature than SKD11 or D2
temper at 540°C and get 61HRC, in D2 that will only be 56HRC!
- Less residual stress buildup after EDM, prevents micro-cracks during finishing procedures after EDM
 - superior stability & resilience
- Easier and Faster to Machine at 40% to 50% easier and faster than SKD11 / D2
 - Save on machining time
 - Save on tool life sharpness

Compare its properties and composition

Element	E-SKD11	SKD11(D2)	SKH51(M2)
■ C	1.0	1.6	1.3
■ Si	1.0	0.3	0.1
■ Mn	0.4	0.4	0.0
■ Ni	0.0	0.0	0.0
■ Cr	8.0	11.8	4.2
■ Mo	2.0	0.8	5.0
■ W	0.0	0.0	6.4
■ V	0.3	0.8	3.1
■ Fe (approx)	87.3	84.3	79.9



Customer Testimonials:

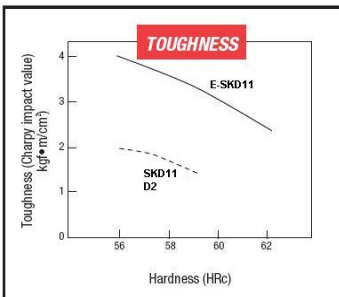
Thank you for your help in improving our tool life. We have been looking for a way to improve tool life.....
our current dies made of D-2 showed dramatic wear (which does not help accuracy) and usually did not last more than 5,000 pieces.....

.....Your representative suggested that we use E-SKD11 material for improved die life.....it was told to be 30-40% easier to machine.... we agree it does.

The die was placed back into the press and we processed 10,000 pieces (all good) before the die failed.

It costs more per pound....but the tool lasted more than twice as long...which presented savings on machining fabrication and production machine downtime.

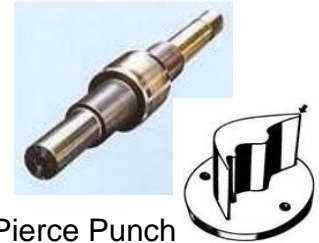
By: Custom Metal Products Corp.



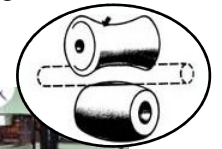
Common Applications



Blanking Dies
 Extrusion Dies
 Punch and Dies



Pierce Punch
 Stepped Punch
 Forming Punch



Roll Formers
 Threading Dies
 Shears and Cutters
 Blades and Slitters



Plastic Molds
 Sprue Bush
 Strippers

Technical Query?
 Email: info@outsourcedimension.com

HOW TO ORDER?
 Company: Inter-Pacific Outsourced Dimensions Services
 Contact: Alberto D. Villanueva Jr / Engineering Manager
 Phone: +63.2.401.3026 Mobile: +63.917.804.1654 Fax: +63.2.842.1197
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