

DrillLine

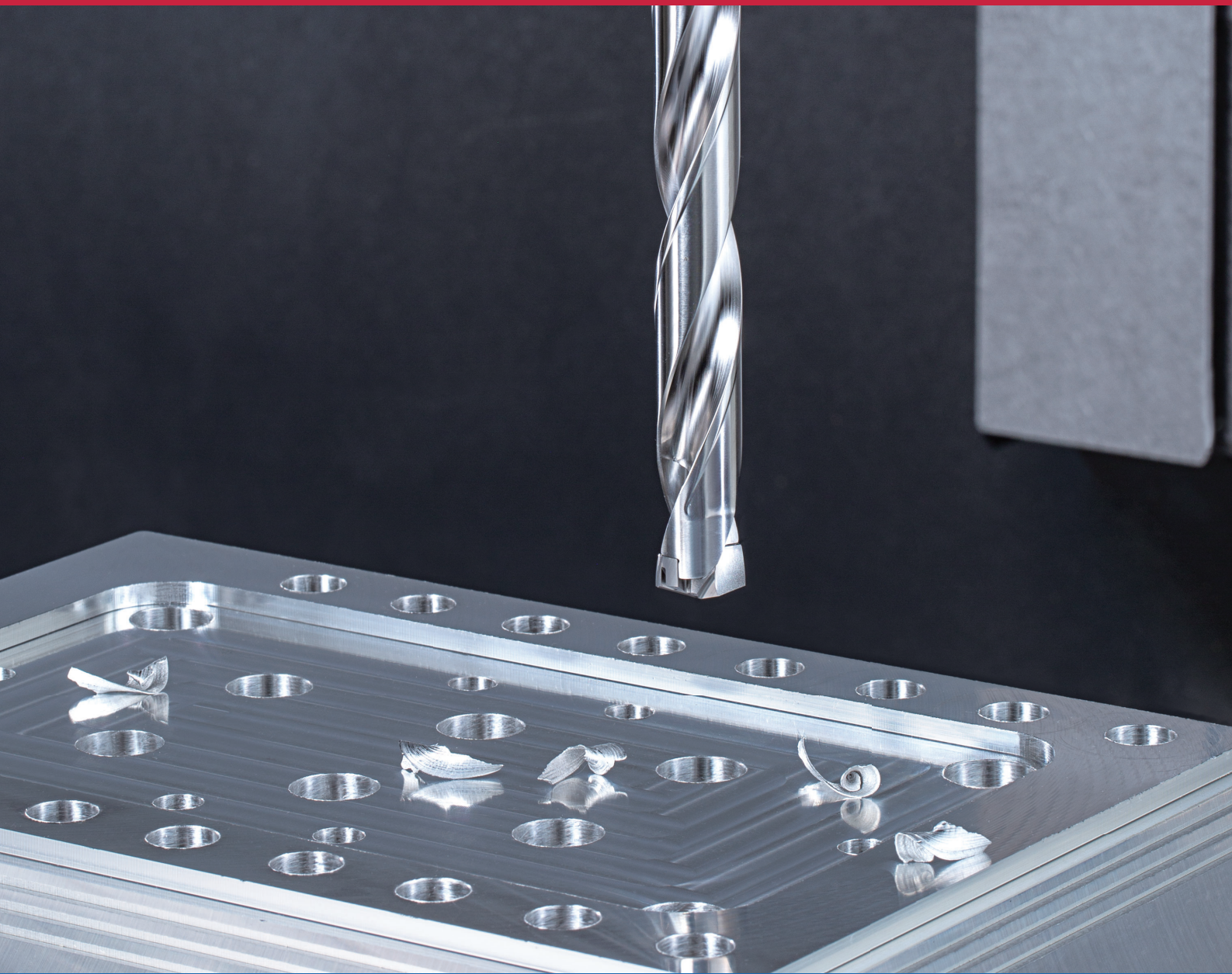


DRILLMEISTER

www.tungaloy.com/us

Tungaloy Report No. 412S4-US

New DMN geometry dedicated for non-ferrous applications with diameter range of $\varnothing 0.394''$ - $\varnothing 0.768''$
(10 - 19.5 mm)

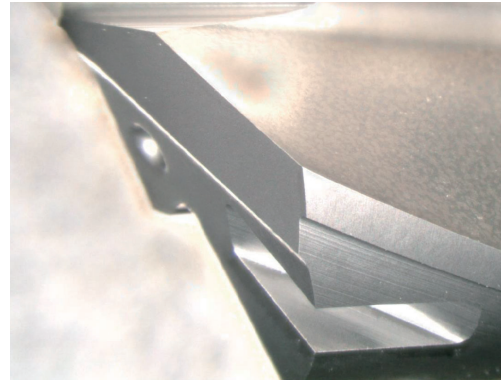


INDUSTRY 4.0
FEED the SPEED!



For more information

Excellent welding resistance for non-ferrous metals



Sharp and uncoated cutting edge design prevents built-up edge and provides good chip evacuation during drilling of non-ferrous metal.

Chip control



Aluminum alloy
(A5052)



Aluminum alloy casting
(ADC12)

N Tool : $\varnothing 0.539"$, L/D = 5
 Drill head : DMN137
 Grade : KS15F
 Cutting speed : $V_c = 656$ sfm
 Feed : $f = 0.016$ ipr
 Hole depth : $H = 1.575"$
 Coolant : Wet

STANDARD CUTTING CONDITIONS

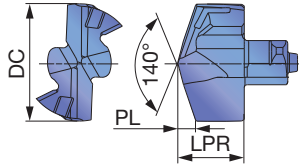
ISO	Workpiece materials	Cutting speed V_c (sfm)	Feed: f (ipr) DC (in)			
			$\varnothing 0.394 - \varnothing 0.469$	$\varnothing 0.472 - \varnothing 0.547$	$\varnothing 0.551 - \varnothing 0.626$	$\varnothing 0.630 - \varnothing 0.768$
N	Aluminum alloys ADC12, etc.	260 - 720	0.089 - 0.016	0.012 - 0.018	0.35 - 0.020	0.016 - 0.024

Note: DMN heads can be mounted on standard TID bodies without additional processing

DRILL HEAD

DMN Non-ferrous metals drilling

New



Tool diameter	Head diameter tolerance
ø0.984 - ø0.689	+0.0004 / 0
ø0.709 - ø0.768	+0.0005 / 0

P Steel								
M Stainless								
K Cast iron								
N Non-ferrous	★							
S Superalloys								
H Hard materials								

★ : First choice

Designation	DC (in)	DC (mm)	LPR (mm)	Uncoated						PL (mm)	Pocket Size	Body
				KS15F								
DMN100	0.394	10	6.1	●						1.47	10	TID*100...
DMN102	0.402	10.2	6.1	●						1.52	10	TID*100...
DMN105	0.413	10.5	6.1	●						1.56	10	TID*105...
DMN108	0.425	10.8	6.1	●						1.62	10	TID*105...
DMN110	0.433	11	6.5	●						1.67	11	TID*110...
DMN115	0.453	11.5	6.5	●						1.76	11	TID*115...
DMN120	0.472	12	6.8	●						1.82	12	TID*120...
DMN123	0.484	12.3	6.8	●						1.87	12	TID*120...
DMN125	0.492	12.5	6.8	●						1.91	12	TID*125...
DMN126	0.496	12.6	6.8	●						1.93	12	TID*125...
DMN127	0.500	12.7	6.8	●						1.95	12	TID*125...
DMN130	0.512	13	7.4	●						1.96	13	TID*130...
DMN135	0.531	13.5	7.4	●						2.05	13	TID*135...
DMN138	0.543	13.8	7.4	●						2.11	13	TID*135...
DMN140	0.551	14	8	●						2.12	14	TID*140...
DMN142	0.559	14.2	8	●						2.16	14	TID*140...
DMN145	0.571	14.5	8	●						2.21	14	TID*145...
DMN150	0.591	15	8.5	●						2.27	15	TID*150...
DMN152	0.598	15.2	8.5	●						2.31	15	TID*150...
DMN155	0.610	15.5	8.5	●						2.36	15	TID*150...
DMN158	0.622	15.8	8.5	●						2.42	15	TID*150...
DMN159	0.626	15.9	8.5	●						2.43	15	TID*150...
DMN160	0.630	16	9.1	●						2.42	16	TID*160...
DMN163	0.642	16.3	9.1	●						2.47	16	TID*160...
DMN165	0.650	16.5	9.1	●						2.51	16	TID*160...
DMN170	0.669	17	9.7	●						2.59	17	TID*170...
DMN175	0.689	17.5	9.7	●						2.68	17	TID*170...
DMN180	0.709	18	10.3	●						2.73	18	TID*180...
DMN185	0.728	18.5	10.3	●						2.82	18	TID*180...
DMN190	0.748	19	10.8	●						2.88	19	TID*190...
DMN195	0.768	19.5	10.8	●						2.97	19	TID*190...

● : New lineup

Tungaloy America, Inc.

3726 N Ventura Drive, Arlington Heights, IL 60004, U.S.A.

Inside Sales: +1-888-554-8394

Technical Support: +1-888-554-8391

Fax: +1-888-554-8392

www.tungaloy.com/us

Tungaloy Canada

432 Elgin St. Unit 3, Brantford, Ontario N3S 7P7, Canada

Phone: +1-519-758-5779 Fax: +1-519-758-5791

www.tungaloy.com/ca

Tungaloy de Mexico S.A.

C Los Arellano 113, Parque Industrial Siglo XXI

Aguascalientes, AGS, Mexico 20290

Phone: +52-449-929-5410 Fax: +52-449-929-5411

www.tungaloy.com/mx



Scan for instant
web access



www.tungaloy.com/us

follow us at:

facebook.com/tungaloyamerica

twitter.com/tungaloy

instagram.com/tungaloyamerica

linkedin.com/company/tungaloy-america

To see Tungaloy products in action visit:



www.youtube.com/tungaloycorporation

Distributed by:



FIND US ON THE CLOUD!
machiningcloud.com



Mar. 2021 (TJ)