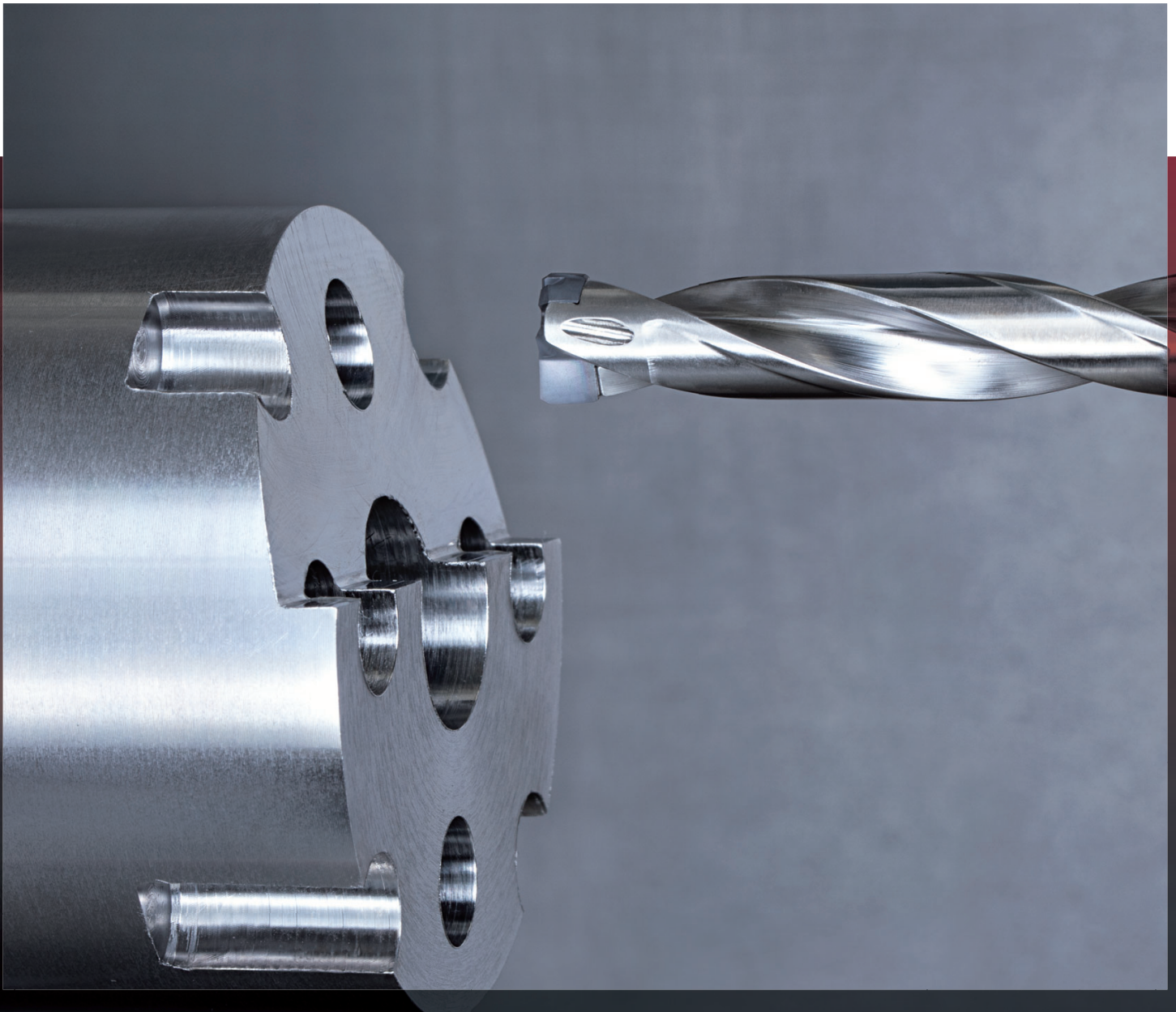


Exchangeable head drill

**DRILLMEISTER**

Tungaloy Report No. 412S6-US

Expansions of DMF and DMP drill heads with  
new diameters and AH9130





For more information

## DRILL HEADS

### DMP General purpose



Tool diameter (inch)	Head diameter tolerance
ø0.157" - ø0.705"	+0.0007" / 0
ø0.709" - ø1.020"	+0.0008" / 0

Tool diameter (mm)	Head diameter tolerance
ø4 - ø17.9	+0.018 / 0
ø18 - ø25.9	+0.021 / 0

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

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

★ : First choice  
☆ : Second choice

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		PL (mm)	Body
				AH725	AH9130		
DMP040	0.157	4	3.1	●		0.62	TID*040...
DMP041	0.161	4.1	3.1	●		0.64	TID*040...
DMP042	0.165	4.2	3.1	●		0.66	TID*040...
DMP043	0.169	4.3	3.1	●		0.67	TID*040...
DMP044	0.173	4.4	3.1	●		0.69	TID*040...
DMP045	0.177	4.5	3.55	●		0.66	TID*045...
DMP046	0.181	4.6	3.55	●		0.68	TID*045...
DMP047	0.185	4.7	3.55	●		0.70	TID*045...
DMP048	0.189	4.8	3.55	●		0.71	TID*045...
DMP049	0.193	4.9	3.55	●		0.73	TID*045...
DMP050	0.197	5	3.7	●		0.73	TID*050...
DMP051	0.201	5.1	3.7	●		0.75	TID*050...
DMP052	0.205	5.2	3.7	●		0.77	TID*050...
DMP053	0.209	5.3	3.7	●		0.78	TID*050...
DMP054	0.213	5.4	3.7	●		0.8	TID*050...
DMP055	0.217	5.5	3.85	●		0.81	TID*055...
DMP056	0.220	5.6	3.85	●		0.83	TID*055...
DMP057	0.224	5.7	3.85	●		0.85	TID*055...
DMP058	0.228	5.8	3.85	●		0.86	TID*055...
DMP059	0.232	5.9	3.85	●		0.88	TID*055...
DMP060	0.236	6	3.85	●	●	1.09	TID*060...
DMP061	0.240	6.1	3.85	●	●	1.11	TID*060...
DMP062	0.244	6.2	3.85	●	●	1.13	TID*060...
DMP063	0.248	6.3	3.85	●	●	1.14	TID*060...
DMP064	0.252	6.4	3.85	●	●	1.16	TID*060...
DMP065	0.256	6.5	4.15	●	●	1.27	TID*065...
DMP066	0.260	6.6	4.15	●	●	1.29	TID*065...
DMP067	0.264	6.7	4.15	●	●	1.31	TID*065...
DMP068	0.268	6.8	4.15	●	●	1.33	TID*065...
DMP069	0.272	6.9	4.15	●	●	1.34	TID*065...
DMP070	0.276	7	4.45	●	●	1.03	TID*070...
DMP071	0.280	7.1	4.45	●	●	1.05	TID*070...
DMP072	0.283	7.2	4.45	●	●	1.07	TID*070...
DMP073	0.287	7.3	4.45	●	●	1.08	TID*070...
DMP074	0.291	7.4	4.45	●	●	1.1	TID*070...
DMP075	0.295	7.5	4.45	●	●	1.12	TID*075...
DMP076	0.299	7.6	4.45	●	●	1.14	TID*075...

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		PL (mm)	Body
				AH725	AH9130		
DMP077	0.303	7.7	4.45	●	●	1.16	TID*075...
DMP078	0.307	7.8	4.45	●	●	1.18	TID*075...
DMP079	0.311	7.9	4.45	●	●	1.19	TID*075...
DMP080	0.315	8	5.25	●	●	1.2	TID*080...
DMP081	0.319	8.1	5.25	●	●	1.22	TID*080...
DMP082	0.323	8.2	5.25	●	●	1.24	TID*080...
DMP083	0.327	8.3	5.25	●	●	1.25	TID*080...
DMP084	0.331	8.4	5.25	●	●	1.27	TID*080...
DMP085	0.335	8.5	5.25	●	●	1.29	TID*085...
DMP086	0.339	8.6	5.25	●	●	1.31	TID*085...
DMP087	0.343	8.7	5.25	●	●	1.33	TID*085...
DMP088	0.346	8.8	5.25	●	●	1.35	TID*085...
DMP089	0.350	8.9	5.25	●	●	1.36	TID*085...
DMP090	0.354	9	5.65	●	●	1.37	TID*090...
DMP091	0.358	9.1	5.65	●	●	1.39	TID*090...
DMP092	0.362	9.2	5.65	●	●	1.41	TID*090...
DMP093	0.366	9.3	5.65	●	●	1.42	TID*090...
DMP094	0.370	9.4	5.65	●	●	1.44	TID*090...
DMP095	0.374	9.5	5.65	●	●	1.46	TID*095...
DMP096	0.378	9.6	5.65	●	●	1.48	TID*095...
DMP097	0.382	9.7	5.65	●	●	1.5	TID*095...
DMP098	0.386	9.8	5.65	●	●	1.52	TID*095...
DMP099	0.390	9.9	5.65	●	●	1.53	TID*095...
DMP100	0.394	10	6.05	●	●	1.47	TID*100...
DMP101	0.398	10.1	6.05	●	●	1.49	TID*100...
DMP102	0.402	10.2	6.05	●	●	1.51	TID*100...
DMP103	0.406	10.3	6.05	●	●	1.52	TID*100...
DMP104	0.409	10.4	6.05	●	●	1.54	TID*100...
DMP105	0.413	10.5	6.05	●	●	1.56	TID*105...
DMP106	0.417	10.6	6.05	●	●	1.58	TID*105...
DMP107	0.421	10.7	6.05	●	●	1.6	TID*105...
DMP108	0.425	10.8	6.05	●	●	1.62	TID*105...
DMP109	0.429	10.9	6.05	●	●	1.63	TID*105...
DMP110	0.433	11	6.45	●	●	1.67	TID*110...
DMP111	0.437	11.1	6.45	●	●	1.69	TID*110...
DMP112	0.441	11.2	6.45	●	●	1.71	TID*110...
DMP113	0.445	11.3	6.45	●	●	1.72	TID*110...

Package Quantity: 0.157" - 0.783" = 2 pcs.  
0.787" - 1.020" = 1 pc.

● : Line up

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

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

★ : First choice  
☆ : Second choice

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		PL (mm)	Body
				AH725	AH9130		
DMP114	0.449	11.4	6.45	●	●	1.74	TID*110...
DMP115	0.453	11.5	6.45	●	●	1.76	TID*115...
DMP116	0.457	11.6	6.45	●	●	1.78	TID*115...
DMP117	0.461	11.7	6.45	●	●	1.8	TID*115...
DMP118	0.465	11.8	6.45	●	●	1.82	TID*115...
DMP119	0.469	11.9	6.45	●	●	1.83	TID*115...
DMP120	0.472	12	6.8	●	●	1.82	TID*120...
DMP121	0.476	12.1	6.8	●	●	1.84	TID*120...
DMP122	0.480	12.2	6.8	●	●	1.86	TID*120...
DMP123	0.484	12.3	6.8	●	●	1.87	TID*120...
DMP124	0.488	12.4	6.8	●	●	1.89	TID*120...
DMP125	0.492	12.5	6.8	●	●	1.91	TID*125...
DMP126	0.496	12.6	6.8	●	●	1.93	TID*125...
DMP127	0.500	12.7	6.8	●	●	1.95	TID*125...
DMP128	0.504	12.8	6.8	●	●	1.97	TID*125...
DMP129	0.508	12.9	6.8	●	●	1.98	TID*125...
DMP130	0.512	13	7.4	●	●	1.96	TID*130...
DMP131	0.516	13.1	7.4	●	●	1.98	TID*130...
DMP132	0.520	13.2	7.4	●	●	2	TID*130...
DMP133	0.524	13.3	7.4	●	●	2.01	TID*130...
DMP134	0.528	13.4	7.4	●	●	2.03	TID*130...
DMP135	0.531	13.5	7.4	●	●	2.05	TID*135...
DMP136	0.535	13.6	7.4	●	●	2.07	TID*135...
DMP137	0.539	13.7	7.4	●	●	2.09	TID*135...
DMP138	0.543	13.8	7.4	●	●	2.11	TID*135...
DMP139	0.547	13.9	7.4	●	●	2.12	TID*135...
DMP140	0.551	14	7.95	●	●	2.12	TID*140...
DMP141	0.555	14.1	7.95	●	●	2.14	TID*140...
DMP142	0.559	14.2	7.95	●	●	2.16	TID*140...
DMP143	0.563	14.3	7.95	●	●	2.17	TID*140...
DMP144	0.567	14.4	7.95	●	●	2.19	TID*140...
DMP145	0.571	14.5	7.95	●	●	2.21	TID*145...
DMP146	0.575	14.6	7.95	●	●	2.23	TID*145...
DMP147	0.579	14.7	7.95	●	●	2.25	TID*145...
DMP148	0.583	14.8	7.95	●	●	2.27	TID*145...
DMP149	0.587	14.9	7.95	●	●	2.28	TID*145...
DMP150	0.591	15	8.53	●	●	2.27	TID*150...
DMP151	0.594	15.1	8.53	●	●	2.29	TID*150...
DMP152	0.598	15.2	8.53	●	●	2.31	TID*150...
DMP153	0.602	15.3	8.53	●	●	2.32	TID*150...
DMP154	0.606	15.4	8.53	●	●	2.34	TID*150...
DMP155	0.610	15.5	8.53	●	●	2.36	TID*150...
DMP156	0.614	15.6	8.53	●	●	2.38	TID*150...
DMP157	0.618	15.7	8.53	●	●	2.4	TID*150...
DMP158	0.622	15.8	8.53	●	●	2.42	TID*150...
DMP159	0.626	15.9	8.53	●	●	2.43	TID*150...
DMP160	0.630	16	9.1	●	●	2.42	TID*160...

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		PL (mm)	Body
				AH725	AH9130		
DMP161	0.634	16.1	9.1	●	●	2.44	TID*160...
DMP162	0.638	16.2	9.1	●	●	2.46	TID*160...
DMP163	0.642	16.3	9.1	●	●	2.47	TID*160...
DMP164	0.646	16.4	9.1	●	●	2.49	TID*160...
DMP165	0.650	16.5	9.1	●	●	2.51	TID*160...
DMP166	0.654	16.6	9.1	●	●	2.53	TID*160...
DMP167	0.657	16.7	9.1	●	●	2.55	TID*160...
DMP168	0.661	16.8	9.1	●	●	2.57	TID*160...
DMP169	0.665	16.9	9.1	●	●	2.58	TID*160...
DMP170	0.669	17	9.7	●	●	2.59	TID*170...
DMP171	0.673	17.1	9.7	●	●	2.61	TID*170...
DMP172	0.677	17.2	9.7	●	●	2.63	TID*170...
DMP173	0.681	17.3	9.7	●	●	2.64	TID*170...
DMP174	0.685	17.4	9.7	●	●	2.66	TID*170...
DMP175	0.689	17.5	9.7	●	●	2.68	TID*170...
DMP176	0.693	17.6	9.7	●	●	2.7	TID*170...
DMP177	0.697	17.7	9.7	●	●	2.72	TID*170...
DMP178	0.701	17.8	9.7	●	●	2.74	TID*170...
DMP179	0.705	17.9	9.7	●	●	2.75	TID*170...
DMP180	0.709	18	10.3	●	●	2.73	TID*180...
DMP181	0.713	18.1	10.3	●	●	2.75	TID*180...
DMP182	0.717	18.2	10.3	●	●	2.77	TID*180...
DMP183	0.720	18.3	10.3	●	●	2.78	TID*180...
DMP184	0.724	18.4	10.3	●	●	2.8	TID*180...
DMP185	0.728	18.5	10.3	●	●	2.82	TID*180...
DMP186	0.732	18.6	10.3	●	●	2.84	TID*180...
DMP187	0.736	18.7	10.3	●	●	2.86	TID*180...
DMP188	0.740	18.8	10.3	●	●	2.88	TID*180...
DMP189	0.744	18.9	10.3	●	●	2.89	TID*180...
DMP190	0.748	19	10.8	●	●	2.88	TID*190...
DMP1905	0.750	19.05	10.8	●	●	2.89	TID*190...
DMP191	0.752	19.1	10.8	●	●	2.9	TID*190...
DMP192	0.756	19.2	10.8	●	●	2.92	TID*190...
DMP1927	0.759	19.27	10.8	●	●	2.93	TID*190...
DMP193	0.760	19.3	10.8	●	●	2.93	TID*190...
DMP194	0.764	19.4	10.8	●	●	2.95	TID*190...
DMP195	0.768	19.5	10.8	●	●	2.97	TID*190...
DMP196	0.772	19.6	10.8	●	●	2.99	TID*190...
DMP197	0.776	19.7	10.8	●	●	3.01	TID*190...
DMP198	0.780	19.8	10.8	●	●	3.03	TID*190...
DMP199	0.783	19.9	10.8	●	●	3.04	TID*190...
DMP200	0.787	20	11.4	●	●	3.02	TID*200...
DMP201	0.791	20.1	11.4	●	●	3.04	TID*200...
DMP202	0.795	20.2	11.4	●	●	3.06	TID*200...
DMP203	0.799	20.3	11.4	●	●	3.07	TID*200...
DMP204	0.803	20.4	11.4	●	●	3.09	TID*200...
DMP205	0.807	20.5	11.4	●	●	3.11	TID*200...

Package Quantity: 0.157" - 0.783" = 2 pcs.  
0.787" - 1.020" = 1 pc.

● : Line up

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

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

★ : First choice  
☆ : Second choice

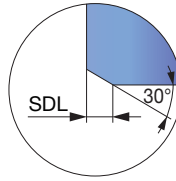
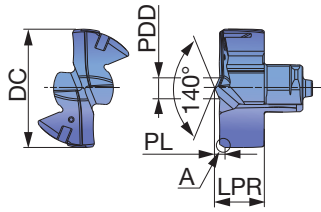
Designation	DC (in)	DC (mm)	LPR (mm)	Coated		PL (mm)	Body
				AH725	AH9130		
DMP206	0.811	20.6	11.4	●	●	3.13	TID*200...
DMP207	0.815	20.7	11.4	●	●	3.15	TID*200...
DMP208	0.819	20.8	11.4	●	●	3.17	TID*200...
DMP209	0.823	20.9	11.4	●	●	3.18	TID*200...
DMP210	0.827	21	11.98	●	●	3.18	TID*210...
DMP211	0.831	21.1	11.98	●	●	3.2	TID*210...
DMP212	0.835	21.2	11.98	●	●	3.22	TID*210...
DMP213	0.839	21.3	11.98	●	●	3.23	TID*210...
DMP214	0.843	21.4	11.98	●	●	3.25	TID*210...
DMP215	0.846	21.5	11.98	●	●	3.27	TID*210...
DMP216	0.850	21.6	11.98	●	●	3.29	TID*210...
DMP217	0.854	21.7	11.98	●	●	3.31	TID*210...
DMP218	0.858	21.8	11.98	●	●	3.33	TID*210...
DMP219	0.862	21.9	11.98	●	●	3.34	TID*210...
DMP220	0.866	22	12.56	●	●	3.32	TID*220...
DMP221	0.870	22.1	12.56	●	●	3.34	TID*220...
DMP222	0.874	22.2	12.56	●	●	3.36	TID*220...
DMP223	0.878	22.3	12.56	●	●	3.37	TID*220...
DMP224	0.882	22.4	12.56	●	●	3.39	TID*220...
DMP225	0.886	22.5	12.56	●	●	3.41	TID*220...
DMP226	0.890	22.6	12.56	●	●	3.43	TID*220...
DMP227	0.894	22.7	12.56	●	●	3.45	TID*220...
DMP228	0.898	22.8	12.56	●	●	3.47	TID*220...
DMP229	0.902	22.9	12.56	●	●	3.48	TID*220...
DMP230	0.906	23	13.13	●	●	3.46	TID*230...
DMP231	0.909	23.1	13.13	●	●	3.48	TID*230...
DMP232	0.913	23.2	13.13	●	●	3.5	TID*230...
DMP233	0.917	23.3	13.13	●	●	3.51	TID*230...
DMP234	0.921	23.4	13.13	●	●	3.53	TID*230...
DMP235	0.925	23.5	13.13	●	●	3.55	TID*230...
DMP236	0.929	23.6	13.13	●	●	3.57	TID*230...
DMP237	0.933	23.7	13.13	●	●	3.59	TID*230...
DMP238	0.937	23.8	13.13	●	●	3.61	TID*230...
DMP239	0.941	23.9	13.13	●	●	3.62	TID*230...
DMP240	0.945	24	13.7	●	●	3.62	TID*240...
DMP241	0.949	24.1	13.7	●	●	3.64	TID*240...
DMP242	0.953	24.2	13.7	●	●	3.66	TID*240...
DMP243	0.957	24.3	13.7	●	●	3.67	TID*240...
DMP244	0.961	24.4	13.7	●	●	3.69	TID*240...
DMP245	0.965	24.5	13.7	●	●	3.71	TID*240...
DMP246	0.969	24.6	13.7	●	●	3.73	TID*240...
DMP247	0.972	24.7	13.7	●	●	3.75	TID*240...
DMP248	0.976	24.8	13.7	●	●	3.77	TID*240...
DMP249	0.980	24.9	13.7	●	●	3.78	TID*240...
DMP250	0.984	25	14.3	●	●	3.8	TID*250...
DMP251	0.988	25.1	14.3	●	●	3.82	TID*250...
DMP252	0.992	25.2	14.3	●	●	3.84	TID*250...

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		PL (mm)	Body
				AH725	AH9130		
DMP253	0.996	25.3	14.3	●	●	3.85	TID*250...
DMP254	1.000	25.4	14.3	●	●	3.87	TID*250...
DMP255	1.004	25.5	14.3	●	●	3.89	TID*250...
DMP256	1.008	25.6	14.3	●	●	3.91	TID*250...
DMP2567	1.011	25.67	14.3	●	●	3.92	TID*250...
DMP257	1.012	25.7	14.3	●	●	3.93	TID*250...
DMP258	1.016	25.8	14.3	●	●	3.95	TID*250...
DMP259	1.020	25.9	14.3	●	●	3.96	TID*250...

● : Line up

Package Quantity: 0.157" - 0.783" = 2 pcs.  
0.787" - 1.020" = 1 pc.

## DMF Flat geometry head



Detail in A

Tool diameter (inch)	Head diameter tolerance
ø0.236" - ø0.705"	+0.0007" / 0
ø0.709" - ø1.020"	+0.0008" / 0
Tool diameter (mm)	Head diameter tolerance
ø6 - ø17.9	+0.018 / 0
ø18 - ø25.9	+0.021 / 0

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

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

★ : First choice  
☆ : Second choice

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		SDL (mm)	PL (mm)	PDD (mm)	Body
				AH9130					
DMF060	0.236	6	3.01	●		0.4	0.61	1.15	TID*060...
DMF061	0.240	6.1	3.01	●		0.4	0.61	1.15	TID*060...
DMF062	0.244	6.2	3.01	●		0.4	0.61	1.15	TID*060...
DMF063	0.248	6.3	3.01	●		0.4	0.61	1.15	TID*060...
DMF064	0.252	6.4	3.01	●		0.4	0.61	1.15	TID*060...
DMF065	0.256	6.5	3.28	●		0.4	0.68	1.54	TID*065...
DMF066	0.260	6.6	3.28	●		0.4	0.68	1.54	TID*065...
DMF067	0.264	6.7	3.28	●		0.4	0.68	1.54	TID*065...
DMF068	0.268	6.8	3.28	●		0.4	0.68	1.54	TID*065...
DMF069	0.272	6.9	3.28	●		0.4	0.68	1.54	TID*065...
DMF070	0.276	7	3.58	●		0.4	0.68	1.54	TID*070...
DMF071	0.280	7.1	3.58	●		0.4	0.68	1.54	TID*070...
DMF072	0.283	7.2	3.58	●		0.4	0.68	1.54	TID*070...
DMF073	0.287	7.3	3.58	●		0.4	0.68	1.54	TID*070...
DMF074	0.291	7.4	3.58	●		0.4	0.68	1.54	TID*070...
DMF075	0.295	7.5	3.58	●		0.4	0.68	1.54	TID*075...
DMF076	0.299	7.6	3.58	●		0.4	0.68	1.54	TID*075...
DMF078	0.307	7.8	3.58	●		0.4	0.68	1.54	TID*075...
DMF079	0.311	7.9	3.58	●		0.4	0.68	1.54	TID*075...
DMF080	0.315	8	4.39	●		0.7	1.09	2.44	TID*080...
DMF081	0.319	8.1	4.39	●		0.7	1.09	2.44	TID*080...
DMF082	0.323	8.2	4.39	●		0.7	1.09	2.44	TID*080...
DMF083	0.327	8.3	4.39	●		0.7	1.09	2.44	TID*080...
DMF084	0.331	8.4	4.39	●		0.7	1.09	2.44	TID*080...
DMF085	0.335	8.5	4.39	●		0.7	1.09	2.44	TID*085...
DMF086	0.339	8.6	4.39	●		0.7	1.09	2.44	TID*085...
DMF087	0.343	8.7	4.39	●		0.7	1.09	2.44	TID*085...
DMF088	0.346	8.8	4.39	●		0.7	1.09	2.44	TID*085...
DMF089	0.350	8.9	4.39	●		0.7	1.09	2.44	TID*085...
DMF090	0.354	9	4.61	●		0.7	1.11	2.55	TID*090...
DMF091	0.358	9.1	4.61	●		0.7	1.11	2.55	TID*090...
DMF092	0.362	9.2	4.61	●		0.7	1.11	2.55	TID*090...
DMF093	0.366	9.3	4.61	●		0.7	1.11	2.55	TID*090...
DMF094	0.370	9.4	4.61	●		0.7	1.11	2.55	TID*090...
DMF095	0.374	9.5	4.61	●		0.7	1.11	2.55	TID*095...
DMF096	0.378	9.6	4.61	●		0.7	1.11	2.55	TID*095...
DMF097	0.382	9.7	4.61	●		0.7	1.11	2.55	TID*095...

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		SDL (mm)	PL (mm)	PDD (mm)	Body
				AH9130					
DMF098	0.386	9.8	4.61	●		0.7	1.11	2.55	TID*095...
DMF099	0.390	9.9	4.61	●		0.7	1.11	2.55	TID*095...
DMF100	0.394	10	4.72	●		0.7	1.17	2.89	TID*100...
DMF101	0.398	10.1	4.72	●		0.7	1.17	2.89	TID*100...
DMF102	0.402	10.2	4.72	●		0.7	1.17	2.89	TID*100...
DMF103	0.406	10.3	4.72	●		0.7	1.17	2.89	TID*100...
DMF104	0.409	10.4	4.72	●		0.7	1.17	2.89	TID*100...
DMF105	0.413	10.5	4.72	●		0.7	1.17	2.89	TID*105...
DMF106	0.417	10.6	4.72	●		0.7	1.17	2.89	TID*105...
DMF107	0.421	10.7	4.72	●		0.7	1.17	2.89	TID*105...
DMF108	0.425	10.8	4.72	●		0.7	1.17	2.89	TID*105...
DMF109	0.429	10.9	4.72	●		0.7	1.17	2.89	TID*105...
DMF110	0.433	11	4.9	●		0.7	1.25	2.98	TID*110...
DMF111	0.437	11.1	4.9	●		0.7	1.25	2.98	TID*110...
DMF112	0.441	11.2	4.9	●		0.7	1.25	2.98	TID*110...
DMF113	0.445	11.3	4.9	●		0.7	1.25	2.98	TID*110...
DMF114	0.449	11.4	4.9	●		0.7	1.25	2.98	TID*110...
DMF115	0.453	11.5	4.9	●		0.7	1.25	2.98	TID*115...
DMF116	0.457	11.6	4.9	●		0.7	1.25	2.98	TID*115...
DMF117	0.461	11.7	4.9	●		0.7	1.25	2.98	TID*115...
DMF118	0.465	11.8	4.9	●		0.7	1.25	2.98	TID*115...
DMF119	0.469	11.9	4.9	●		0.7	1.25	2.98	TID*115...
DMF120	0.472	12	5.21	●		0.7	1.26	3.13	TID*120...
DMF121	0.476	12.1	5.21	●		0.7	1.26	3.13	TID*120...
DMF122	0.480	12.2	5.21	●		0.7	1.26	3.13	TID*120...
DMF123	0.484	12.3	5.21	●		0.7	1.26	3.13	TID*120...
DMF124	0.488	12.4	5.21	●		0.7	1.26	3.13	TID*120...
DMF125	0.492	12.5	5.21	●		0.7	1.26	3.13	TID*125...
DMF126	0.496	12.6	5.21	●		0.7	1.26	3.13	TID*125...
DMF127	0.500	12.7	5.21	●		0.7	1.26	3.13	TID*125...
DMF128	0.504	12.8	5.21	●		0.7	1.26	3.13	TID*125...
DMF129	0.508	12.9	5.21	●		0.7	1.26	3.13	TID*125...
DMF130	0.512	13	5.53	●		0.7	1.28	3.52	TID*130...
DMF131	0.516	13.1	5.53	●		0.7	1.28	3.52	TID*130...
DMF132	0.520	13.2	5.53	●		0.7	1.28	3.52	TID*130...
DMF133	0.524	13.3	5.53	●		0.7	1.28	3.52	TID*130...
DMF134	0.528	13.4	5.53	●		0.7	1.28	3.52	TID*130...

Package Quantity: 0.236" - 0.780" = 2 pcs.  
0.787" - 1.020" = 1 pc.

● : Line up

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

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

★ : First choice  
☆ : Second choice

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		SDL (mm)	PL (mm)	PDD (mm)	Body
				AH9130					
DMF135	0.531	13.5	5.53	●		0.7	1.28	3.52	TID*135...
DMF136	0.535	13.6	5.53	●		0.7	1.28	3.52	TID*135...
DMF137	0.539	13.7	5.53	●		0.7	1.28	3.52	TID*135...
DMF138	0.543	13.8	5.53	●		0.7	1.28	3.52	TID*135...
DMF139	0.547	13.9	5.53	●		0.7	1.28	3.52	TID*135...
DMF140	0.551	14	5.96	●		0.7	1.31	3.81	TID*140...
DMF141	0.555	14.1	5.96	●		0.7	1.31	3.81	TID*140...
DMF142	0.559	14.2	5.96	●		0.7	1.31	3.81	TID*140...
DMF143	0.563	14.3	5.96	●		0.7	1.31	3.81	TID*140...
DMF144	0.567	14.4	5.96	●		0.7	1.31	3.81	TID*140...
DMF145	0.571	14.5	5.96	●		0.7	1.31	3.81	TID*145...
New DMF146	0.575	14.6	5.96	●		0.7	1.31	3.81	TID*145...
New DMF147	0.579	14.7	5.96	●		0.7	1.31	3.81	TID*145...
New DMF148	0.583	14.8	5.96	●		0.7	1.31	3.81	TID*145...
New DMF149	0.587	14.9	5.96	●		0.7	1.31	3.81	TID*145...
DMF150	0.591	15	6.43	●		0.7	1.35	4.24	TID*150...
New DMF151	0.594	15.1	6.43	●		0.7	1.35	4.24	TID*150...
DMF152	0.598	15.2	6.43	●		0.7	1.35	4.24	TID*150...
New DMF153	0.602	15.3	6.43	●		0.7	1.35	4.24	TID*150...
New DMF154	0.606	15.4	6.43	●		0.7	1.35	4.24	TID*150...
DMF155	0.610	15.5	6.43	●		0.7	1.35	4.24	TID*150...
New DMF156	0.614	15.6	6.43	●		0.7	1.35	4.24	TID*150...
DMF157	0.618	15.7	6.43	●		0.7	1.35	4.24	TID*150...
DMF158	0.622	15.8	6.43	●		0.7	1.35	4.24	TID*150...
New DMF159	0.626	15.9	6.43	●		0.7	1.35	4.24	TID*150...
DMF160	0.630	16	6.84	●		0.7	1.39	4.06	TID*160...
DMF161	0.634	16.1	6.84	●		0.7	1.39	4.06	TID*160...
New DMF162	0.638	16.2	6.84	●		0.7	1.39	4.06	TID*160...
New DMF163	0.642	16.3	6.84	●		0.7	1.39	4.06	TID*160...
New DMF164	0.646	16.4	6.84	●		0.7	1.39	4.06	TID*160...
DMF165	0.650	16.5	6.84	●		0.7	1.39	4.06	TID*160...
New DMF166	0.654	16.6	6.84	●		0.7	1.39	4.06	TID*160...
DMF167	0.657	16.7	6.84	●		0.7	1.39	4.06	TID*160...
New DMF168	0.661	16.8	6.84	●		0.7	1.39	4.06	TID*160...
New DMF169	0.665	16.9	6.84	●		0.7	1.39	4.06	TID*160...
DMF170	0.669	17	7.15	●		0.7	1.4	4.14	TID*170...
New DMF171	0.673	17.1	7.15	●		0.7	1.4	4.14	TID*170...
New DMF172	0.677	17.2	7.15	●		0.7	1.4	4.14	TID*170...
New DMF173	0.681	17.3	7.15	●		0.7	1.4	4.14	TID*170...
New DMF174	0.685	17.4	7.15	●		0.7	1.4	4.14	TID*170...
DMF175	0.689	17.5	7.15	●		0.7	1.4	4.14	TID*170...
New DMF176	0.693	17.6	7.15	●		0.7	1.4	4.14	TID*170...
New DMF177	0.697	17.7	7.15	●		0.7	1.4	4.14	TID*170...
New DMF178	0.701	17.8	7.15	●		0.7	1.4	4.14	TID*170...
DMF179	0.705	17.9	7.15	●		0.7	1.4	4.14	TID*170...
DMF180	0.709	18	7.45	●		0.7	1.42	4.16	TID*180...
New DMF181	0.713	18.1	7.45	●		0.7	1.42	4.16	TID*180...

Designation	DC (in)	DC (mm)	LPR (mm)	Coated		SDL (mm)	PL (mm)	PDD (mm)	Body
				AH9130					
New DMF182	0.717	18.2	7.45	●		0.7	1.42	4.16	TID*180...
New DMF183	0.720	18.3	7.45	●		0.7	1.42	4.16	TID*180...
New DMF184	0.724	18.4	7.45	●		0.7	1.42	4.16	TID*180...
DMF185	0.728	18.5	7.45	●		0.7	1.42	4.16	TID*180...
New DMF186	0.732	18.6	7.45	●		0.7	1.42	4.16	TID*180...
New DMF187	0.736	18.7	7.45	●		0.7	1.42	4.16	TID*180...
New DMF188	0.740	18.8	7.45	●		0.7	1.42	4.16	TID*180...
New DMF189	0.744	18.9	7.45	●		0.7	1.42	4.16	TID*180...
DMF190	0.748	19	7.79	●		0.7	1.44	4.25	TID*190...
New DMF191	0.752	19.1	7.79	●		0.7	1.44	4.25	TID*190...
New DMF192	0.756	19.2	7.79	●		0.7	1.44	4.25	TID*190...
New DMF193	0.760	19.3	7.79	●		0.7	1.44	4.25	TID*190...
New DMF194	0.764	19.4	7.79	●		0.7	1.44	4.25	TID*190...
DMF195	0.768	19.5	7.79	●		0.7	1.44	4.25	TID*190...
New DMF196	0.772	19.6	7.79	●		0.7	1.44	4.25	TID*190...
New DMF197	0.776	19.7	7.79	●		0.7	1.44	4.25	TID*190...
DMF198	0.780	19.8	7.79	●		0.7	1.44	4.25	TID*190...
New DMF199	0.783	19.9	7.79	●		0.7	1.44	4.25	TID*190...
DMF200	0.787	20	9.12	●		0.7	1.77	6.56	TID*200...
DMF205	0.807	20.5	9.12	●		0.7	1.77	6.56	TID*200...
DMF210	0.827	21	9.54	●		0.7	1.79	6.92	TID*210...
DMF215	0.846	21.5	9.54	●		0.7	1.79	6.92	TID*210...
DMF218	0.858	21.8	9.54	●		0.7	1.79	6.92	TID*210...
DMF220	0.866	22	9.86	●		0.7	1.81	7.13	TID*220...
DMF225	0.886	22.5	9.86	●		0.7	1.81	7.13	TID*220...
DMF230	0.906	23	10.28	●		0.7	1.83	7.42	TID*230...
DMF235	0.925	23.5	10.28	●		0.7	1.83	7.42	TID*230...
DMF240	0.945	24	10.71	●		0.7	1.86	7.45	TID*240...
DMF245	0.965	24.5	10.71	●		0.7	1.86	7.45	TID*240...
DMF250	0.984	25	11.15	●		0.7	1.9	7.54	TID*250...
DMF254	1.000	25.4	11.15	●		0.7	1.9	7.54	TID*250...
DMF255	1.004	25.5	11.15	●		0.7	1.9	7.54	TID*250...
DMF259	1.020	25.9	11.15	●		0.7	1.9	7.54	TID*250...

● : New product  
● : Line up

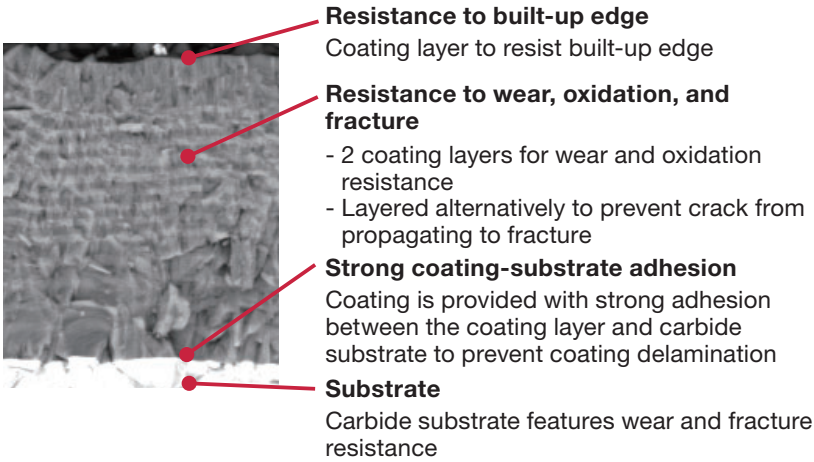
Package Quantity: 0.236" - 0.780" = 2 pcs.  
0.787" - 1.020" = 1 pc.

## GRADE

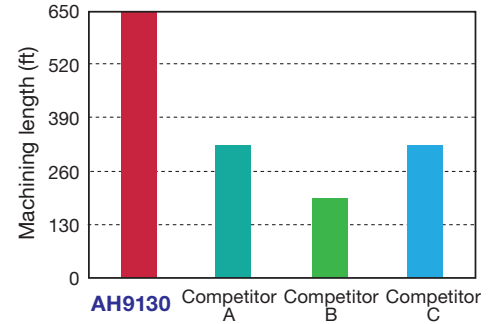
Latest coating optimized for extended tool life

### AH9130

- Unique nano-multilayered coating is made possible by Tungaloy's latest coating technology, providing 3 principal features
- This coating achieves highly-balanced wear resistance and chipping resistance, also has acid resistance, resistance to dissolution, and high adhesion strength



### Tool life machining carbon steel (1055)



**P** Tool :  $\phi 0.551''$ , L/D = 5  
 Cutting speed :  $V_c = 328$  sfm  
 Feed :  $f = 0.010$  ipr  
 Hole depth :  $H = 2.362''$  (Blind hole)

## STANDARD CUTTING CONDITIONS

ISO	Workpiece material	Cutting speed Vc (sfm)	Feed: f (ipr)									
			Tool diameter: DC (in)									
			$\phi 0.157'' - \phi 0.173''$	$\phi 0.177'' - \phi 0.193''$	$\phi 0.197'' - \phi 0.232''$	$\phi 0.236'' - \phi 0.311''$	$\phi 0.315'' - \phi 0.390''$	$\phi 0.394'' - \phi 0.469''$	$\phi 0.472'' - \phi 0.547''$	$\phi 0.551'' - \phi 0.626''$	$\phi 0.630'' - \phi 0.783''$	$\phi 0.787'' - \phi 1.020''$
<b>P</b>	Low carbon steels (C < 0.3) 1018, 1020, 1026, etc.	262 - 459	0.002 - 0.003	0.002 - 0.003	0.003 - 0.005	0.004 - 0.005	0.005 - 0.010	0.006 - 0.011	0.007 - 0.012	0.008 - 0.014	0.010 - 0.018	0.010 - 0.018
	High carbon steels (C > 0.3) 1045, 1055, etc.	230 - 394	0.002 - 0.003	0.002 - 0.003	0.003 - 0.005	0.004 - 0.005	0.005 - 0.010	0.006 - 0.011	0.007 - 0.012	0.008 - 0.014	0.010 - 0.018	0.010 - 0.018
	Low alloy steels 4140, etc.	230 - 394	0.002 - 0.002	0.002 - 0.003	0.003 - 0.005	0.003 - 0.005	0.004 - 0.010	0.006 - 0.011	0.006 - 0.013	0.007 - 0.014	0.009 - 0.016	0.010 - 0.018
	Alloy steels 8620, etc.	131 - 295	0.002 - 0.003	0.002 - 0.003	0.003 - 0.005	0.003 - 0.005	0.004 - 0.010	0.006 - 0.011	0.006 - 0.013	0.007 - 0.014	0.009 - 0.016	0.010 - 0.018
<b>M</b>	Stainless steels 304SS, 316SS, etc.	98 - 230	-	-	0.002 - 0.003	0.003 - 0.004	0.004 - 0.006	0.005 - 0.007	0.006 - 0.008	0.006 - 0.009	0.006 - 0.010	0.007 - 0.012
<b>K</b>	Gray cast irons Class 25, etc.	262 - 591	0.002 - 0.003	0.002 - 0.003	0.004 - 0.006	0.005 - 0.007	0.006 - 0.012	0.008 - 0.014	0.010 - 0.016	0.012 - 0.018	0.014 - 0.022	0.014 - 0.024
	Ductile cast irons 100-70-03, etc.	262 - 459	0.002 - 0.003	0.002 - 0.003	0.004 - 0.006	0.005 - 0.007	0.006 - 0.012	0.008 - 0.014	0.010 - 0.016	0.012 - 0.018	0.014 - 0.022	0.014 - 0.024
<b>N</b>	Aluminum alloys	262 - 722	-	-	-	0.004 - 0.008	0.008 - 0.014	0.010 - 0.016	0.012 - 0.018	0.014 - 0.02	0.016 - 0.024	0.020 - 0.030
<b>S</b>	Titanium alloys Ti-6Al-4V, etc.	66 - 164	-	-	-	0.002 - 0.003	0.002 - 0.005	0.003 - 0.006	0.004 - 0.011	0.005 - 0.008	0.006 - 0.009	0.007 - 0.011
	Nickel-based alloys	66 - 164	-	-	-	0.002 - 0.003	0.002 - 0.004	0.003 - 0.005	0.004 - 0.006	0.005 - 0.007	0.005 - 0.009	0.006 - 0.009
<b>H</b>	Hardened steel	66 - 164	-	-	-	0.002 - 0.003	0.002 - 0.005	0.003 - 0.006	0.004 - 0.007	0.005 - 0.008	0.006 - 0.009	0.006 - 0.010

- Cutting conditions in the above table show standard cutting conditions
- Cutting conditions may change due to the rigidity and power of the machine and the workpiece material
- Machined hole diameter may change depending upon the rigidity of the machine tool or cutting conditions

# 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](http://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](http://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](http://www.tungaloy.com/mx)



Scan for instant  
web access



[www.tungaloy.com/us](http://www.tungaloy.com/us)

follow us at:

[facebook.com/tungaloyamerica](https://facebook.com/tungaloyamerica)

[instagram.com/tungaloyamerica](https://instagram.com/tungaloyamerica)

[linkedin.com/company/tungaloy-america](https://linkedin.com/company/tungaloy-america)

To see Tungaloy products in action visit:



[www.youtube.com/tungaloycorporation](http://www.youtube.com/tungaloycorporation)

Distributed by:



FIND US ON THE CLOUD!  
[machiningcloud.com](http://machiningcloud.com)



Oct. 2022 (TJ)