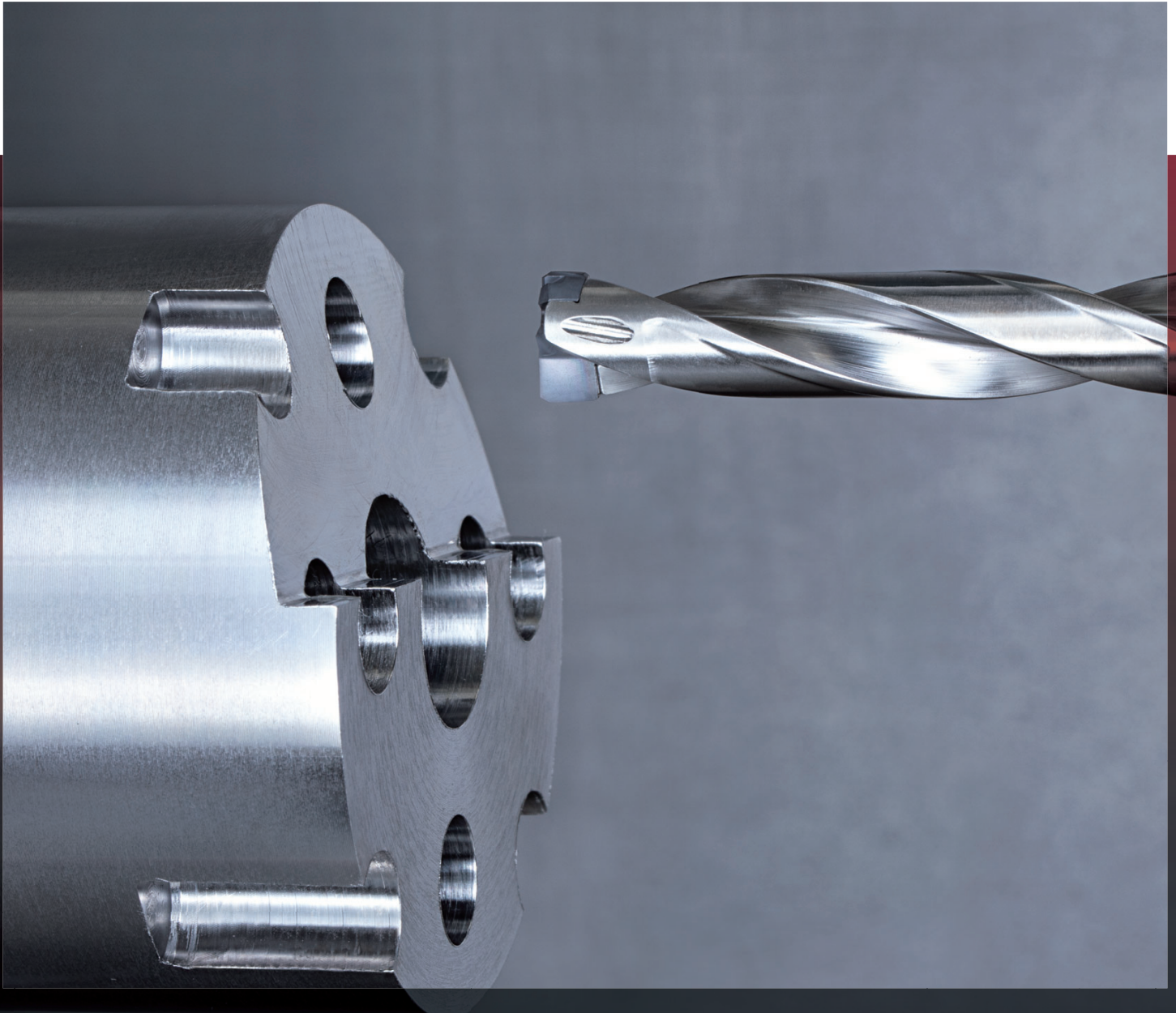


Exchangeable head drill

DRILLMEISTER

Tungaloy Report No. 412S6-G

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





For more information

DRILL HEADS

DMP General purpose



Tool diameter	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	LPR	Coated		PL	Body
			AH725	AH9130		
DMP040	4	3.1	●		0.62	TID*040...
DMP041	4.1	3.1	●		0.64	TID*040...
DMP042	4.2	3.1	●		0.66	TID*040...
DMP043	4.3	3.1	●		0.67	TID*040...
DMP044	4.4	3.1	●		0.69	TID*040...
DMP045	4.5	3.55	●		0.66	TID*045...
DMP046	4.6	3.55	●		0.68	TID*045...
DMP047	4.7	3.55	●		0.70	TID*045...
DMP048	4.8	3.55	●		0.71	TID*045...
DMP049	4.9	3.55	●		0.73	TID*045...
DMP050	5	3.7	●		0.73	TID*050...
DMP051	5.1	3.7	●		0.75	TID*050...
DMP052	5.2	3.7	●		0.77	TID*050...
DMP053	5.3	3.7	●		0.78	TID*050...
DMP054	5.4	3.7	●		0.8	TID*050...
DMP055	5.5	3.85	●		0.81	TID*055...
DMP056	5.6	3.85	●		0.83	TID*055...
DMP057	5.7	3.85	●		0.85	TID*055...
DMP058	5.8	3.85	●		0.86	TID*055...
DMP059	5.9	3.85	●		0.88	TID*055...
DMP060	6	3.85	●		1.09	TID*060...
DMP061	6.1	3.85	●		1.11	TID*060...
DMP062	6.2	3.85	●		1.13	TID*060...
DMP063	6.3	3.85	●		1.14	TID*060...
DMP064	6.4	3.85	●		1.16	TID*060...
DMP065	6.5	4.15	●		1.27	TID*065...
DMP066	6.6	4.15	●		1.29	TID*065...
DMP067	6.7	4.15	●		1.31	TID*065...
DMP068	6.8	4.15	●	●	1.33	TID*065...
DMP069	6.9	4.15	●		1.34	TID*065...
DMP070	7	4.45	●		1.03	TID*070...
DMP071	7.1	4.45	●		1.05	TID*070...
DMP072	7.2	4.45	●		1.07	TID*070...
DMP073	7.3	4.45	●		1.08	TID*070...
DMP074	7.4	4.45	●		1.1	TID*070...
DMP075	7.5	4.45	●	●	1.12	TID*075...
DMP076	7.6	4.45	●		1.14	TID*075...

Designation	DC	LPR	Coated		PL	Body
			AH725	AH9130		
DMP077	7.7	4.45	●		1.16	TID*075...
DMP078	7.8	4.45	●		1.18	TID*075...
DMP079	7.9	4.45	●		1.19	TID*075...
DMP080	8	5.25	●	●	1.2	TID*080...
DMP081	8.1	5.25	●		1.22	TID*080...
DMP082	8.2	5.25	●		1.24	TID*080...
DMP083	8.3	5.25	●		1.25	TID*080...
DMP084	8.4	5.25	●		1.27	TID*080...
DMP085	8.5	5.25	●	●	1.29	TID*085...
DMP086	8.6	5.25	●		1.31	TID*085...
DMP087	8.7	5.25	●		1.33	TID*085...
DMP088	8.8	5.25	●		1.35	TID*085...
DMP089	8.9	5.25	●		1.36	TID*085...
DMP090	9	5.65	●	●	1.37	TID*090...
DMP091	9.1	5.65	●		1.39	TID*090...
DMP092	9.2	5.65	●		1.41	TID*090...
DMP093	9.3	5.65	●		1.42	TID*090...
DMP094	9.4	5.65	●		1.44	TID*090...
DMP095	9.5	5.65	●	●	1.46	TID*095...
DMP096	9.6	5.65	●		1.48	TID*095...
DMP097	9.7	5.65	●		1.5	TID*095...
DMP098	9.8	5.65	●		1.52	TID*095...
DMP099	9.9	5.65	●		1.53	TID*095...
DMP100	10	6.05	●	●	1.47	TID*100...
New DMP101	10.1	6.05	●	●	1.49	TID*100...
New DMP102	10.2	6.05	●	●	1.51	TID*100...
DMP103	10.3	6.05	●	●	1.52	TID*100...
DMP104	10.4	6.05	●	●	1.54	TID*100...
DMP105	10.5	6.05	●	●	1.56	TID*105...
DMP106	10.6	6.05	●	●	1.58	TID*105...
New DMP107	10.7	6.05	●	●	1.6	TID*105...
DMP108	10.8	6.05	●	●	1.62	TID*105...
New DMP109	10.9	6.05	●	●	1.63	TID*105...
DMP110	11	6.45	●	●	1.67	TID*110...
DMP111	11.1	6.45	●	●	1.69	TID*110...
DMP112	11.2	6.45	●	●	1.71	TID*110...
DMP113	11.3	6.45	●	●	1.72	TID*110...

ø4 - ø19.9 = 2 pieces per package
ø20 - ø25.9 = 1 piece per package

● : New product
● : 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	LPR	Coated		PL	Body
			AH725	AH9130		
New DMP114	11.4	6.45	●	●	1.74	TID*110...
DMP115	11.5	6.45	●	●	1.76	TID*115...
New DMP116	11.6	6.45	●	●	1.78	TID*115...
DMP117	11.7	6.45	●	●	1.8	TID*115...
New DMP118	11.8	6.45	●	●	1.82	TID*115...
New DMP119	11.9	6.45	●	●	1.83	TID*115...
DMP120	12	6.8	●	●	1.82	TID*120...
DMP121	12.1	6.8	●	●	1.84	TID*120...
DMP122	12.2	6.8	●	●	1.86	TID*120...
DMP123	12.3	6.8	●	●	1.87	TID*120...
DMP124	12.4	6.8	●	●	1.89	TID*120...
DMP125	12.5	6.8	●	●	1.91	TID*125...
DMP126	12.6	6.8	●	●	1.93	TID*125...
DMP127	12.7	6.8	●	●	1.95	TID*125...
DMP128	12.8	6.8	●	●	1.97	TID*125...
New DMP129	12.9	6.8	●	●	1.98	TID*125...
DMP130	13	7.4	●	●	1.96	TID*130...
New DMP131	13.1	7.4	●	●	1.98	TID*130...
New DMP132	13.2	7.4	●	●	2	TID*130...
DMP133	13.3	7.4	●	●	2.01	TID*130...
New DMP134	13.4	7.4	●	●	2.03	TID*130...
DMP135	13.5	7.4	●	●	2.05	TID*135...
New DMP136	13.6	7.4	●	●	2.07	TID*135...
DMP137	13.7	7.4	●	●	2.09	TID*135...
DMP138	13.8	7.4	●	●	2.11	TID*135...
DMP139	13.9	7.4	●	●	2.12	TID*135...
DMP140	14	7.95	●	●	2.12	TID*140...
DMP141	14.1	7.95	●	●	2.14	TID*140...
DMP142	14.2	7.95	●	●	2.16	TID*140...
DMP143	14.3	7.95	●	●	2.17	TID*140...
New DMP144	14.4	7.95	●	●	2.19	TID*140...
DMP145	14.5	7.95	●	●	2.21	TID*145...
DMP146	14.6	7.95	●	●	2.23	TID*145...
New DMP147	14.7	7.95	●	●	2.25	TID*145...
New DMP148	14.8	7.95	●	●	2.27	TID*145...
New DMP149	14.9	7.95	●	●	2.28	TID*145...
DMP150	15	8.53	●	●	2.27	TID*150...
DMP151	15.1	8.53	●	●	2.29	TID*150...
DMP152	15.2	8.53	●	●	2.31	TID*150...
DMP153	15.3	8.53	●	●	2.32	TID*150...
New DMP154	15.4	8.53	●	●	2.34	TID*150...
DMP155	15.5	8.53	●	●	2.36	TID*150...
DMP156	15.6	8.53	●	●	2.38	TID*150...
DMP157	15.7	8.53	●	●	2.4	TID*150...
DMP158	15.8	8.53	●	●	2.42	TID*150...
New DMP159	15.9	8.53	●	●	2.43	TID*150...
DMP160	16	9.1	●	●	2.42	TID*160...

Designation	DC	LPR	Coated		PL	Body
			AH725	AH9130		
DMP161	16.1	9.1	●	●	2.44	TID*160...
New DMP162	16.2	9.1	●	●	2.46	TID*160...
DMP163	16.3	9.1	●	●	2.47	TID*160...
New DMP164	16.4	9.1	●	●	2.49	TID*160...
DMP165	16.5	9.1	●	●	2.51	TID*160...
DMP166	16.6	9.1	●	●	2.53	TID*160...
DMP167	16.7	9.1	●	●	2.55	TID*160...
New DMP168	16.8	9.1	●	●	2.57	TID*160...
New DMP169	16.9	9.1	●	●	2.58	TID*160...
DMP170	17	9.7	●	●	2.59	TID*170...
New DMP171	17.1	9.7	●	●	2.61	TID*170...
New DMP172	17.2	9.7	●	●	2.63	TID*170...
New DMP173	17.3	9.7	●	●	2.64	TID*170...
New DMP174	17.4	9.7	●	●	2.66	TID*170...
DMP175	17.5	9.7	●	●	2.68	TID*170...
DMP176	17.6	9.7	●	●	2.7	TID*170...
New DMP177	17.7	9.7	●	●	2.72	TID*170...
DMP178	17.8	9.7	●	●	2.74	TID*170...
DMP179	17.9	9.7	●	●	2.75	TID*170...
DMP180	18	10.3	●	●	2.73	TID*180...
New DMP181	18.1	10.3	●	●	2.75	TID*180...
New DMP182	18.2	10.3	●	●	2.77	TID*180...
DMP183	18.3	10.3	●	●	2.78	TID*180...
New DMP184	18.4	10.3	●	●	2.8	TID*180...
DMP185	18.5	10.3	●	●	2.82	TID*180...
New DMP186	18.6	10.3	●	●	2.84	TID*180...
New DMP187	18.7	10.3	●	●	2.86	TID*180...
New DMP188	18.8	10.3	●	●	2.88	TID*180...
New DMP189	18.9	10.3	●	●	2.89	TID*180...
DMP190	19	10.8	●	●	2.88	TID*190...
New DMP1905	19.05	10.8	●	●	2.89	TID*190...
New DMP191	19.1	10.8	●	●	2.9	TID*190...
New DMP192	19.2	10.8	●	●	2.92	TID*190...
DMP1927	19.27	10.8	●	●	2.93	TID*190...
DMP193	19.3	10.8	●	●	2.93	TID*190...
DMP194	19.4	10.8	●	●	2.95	TID*190...
DMP195	19.5	10.8	●	●	2.97	TID*190...
New DMP196	19.6	10.8	●	●	2.99	TID*190...
New DMP197	19.7	10.8	●	●	3.01	TID*190...
DMP198	19.8	10.8	●	●	3.03	TID*190...
New DMP199	19.9	10.8	●	●	3.04	TID*190...
DMP200	20	11.4	●	●	3.02	TID*200...
DMP201	20.1	11.4	●	●	3.04	TID*200...
New DMP202	20.2	11.4	●	●	3.06	TID*200...
New DMP203	20.3	11.4	●	●	3.07	TID*200...
New DMP204	20.4	11.4	●	●	3.09	TID*200...
DMP205	20.5	11.4	●	●	3.11	TID*200...

ø4 - ø19.9 = 2 pieces per package
ø20 - ø25.9 = 1 piece per package

● : New product
● : 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

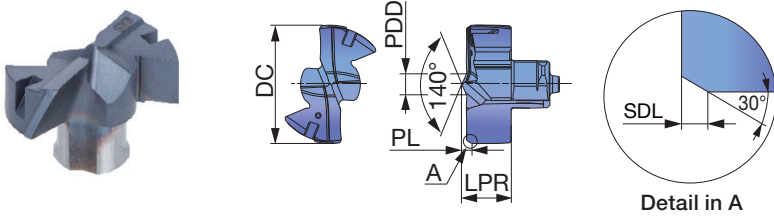
Designation	DC	LPR	Coated		PL	Body
			AH725	AH9130		
New DMP206	20.6	11.4	●	●	3.13	TID*200...
New DMP207	20.7	11.4	●	●	3.15	TID*200...
New DMP208	20.8	11.4	●	●	3.17	TID*200...
New DMP209	20.9	11.4	●	●	3.18	TID*200...
DMP210	21	11.98	●	●	3.18	TID*210...
New DMP211	21.1	11.98	●	●	3.2	TID*210...
New DMP212	21.2	11.98	●	●	3.22	TID*210...
New DMP213	21.3	11.98	●	●	3.23	TID*210...
New DMP214	21.4	11.98	●	●	3.25	TID*210...
New DMP215	21.5	11.98	●	●	3.27	TID*210...
New DMP216	21.6	11.98	●	●	3.29	TID*210...
New DMP217	21.7	11.98	●	●	3.31	TID*210...
New DMP218	21.8	11.98	●	●	3.33	TID*210...
New DMP219	21.9	11.98	●	●	3.34	TID*210...
DMP220	22	12.56	●	●	3.32	TID*220...
New DMP221	22.1	12.56	●	●	3.34	TID*220...
New DMP222	22.2	12.56	●	●	3.36	TID*220...
DMP223	22.3	12.56	●	●	3.37	TID*220...
New DMP224	22.4	12.56	●	●	3.39	TID*220...
New DMP225	22.5	12.56	●	●	3.41	TID*220...
New DMP226	22.6	12.56	●	●	3.43	TID*220...
New DMP227	22.7	12.56	●	●	3.45	TID*220...
New DMP228	22.8	12.56	●	●	3.47	TID*220...
New DMP229	22.9	12.56	●	●	3.48	TID*220...
New DMP230	23	13.13	●	●	3.46	TID*230...
New DMP231	23.1	13.13	●	●	3.48	TID*230...
New DMP232	23.2	13.13	●	●	3.5	TID*230...
New DMP233	23.3	13.13	●	●	3.51	TID*230...
New DMP234	23.4	13.13	●	●	3.53	TID*230...
New DMP235	23.5	13.13	●	●	3.55	TID*230...
New DMP236	23.6	13.13	●	●	3.57	TID*230...
New DMP237	23.7	13.13	●	●	3.59	TID*230...
New DMP238	23.8	13.13	●	●	3.61	TID*230...
New DMP239	23.9	13.13	●	●	3.62	TID*230...
DMP240	24	13.7	●	●	3.62	TID*240...
New DMP241	24.1	13.7	●	●	3.64	TID*240...
New DMP242	24.2	13.7	●	●	3.66	TID*240...
New DMP243	24.3	13.7	●	●	3.67	TID*240...
New DMP244	24.4	13.7	●	●	3.69	TID*240...
New DMP245	24.5	13.7	●	●	3.71	TID*240...
New DMP246	24.6	13.7	●	●	3.73	TID*240...
New DMP247	24.7	13.7	●	●	3.75	TID*240...
New DMP248	24.8	13.7	●	●	3.77	TID*240...
New DMP249	24.9	13.7	●	●	3.78	TID*240...
DMP250	25	14.3	●	●	3.8	TID*250...
New DMP251	25.1	14.3	●	●	3.82	TID*250...
New DMP252	25.2	14.3	●	●	3.84	TID*250...

Designation	DC	LPR	Coated		PL	Body
			AH725	AH9130		
New DMP253	25.3	14.3	●	●	3.85	TID*250...
New DMP254	25.4	14.3	●	●	3.87	TID*250...
New DMP255	25.5	14.3	●	●	3.89	TID*250...
New DMP256	25.6	14.3	●	●	3.91	TID*250...
New DMP2567	25.67	14.3	●	●	3.92	TID*250...
New DMP257	25.7	14.3	●	●	3.93	TID*250...
New DMP258	25.8	14.3	●	●	3.95	TID*250...
DMP259	25.9	14.3	●	●	3.96	TID*250...

● : New product
● : Line up

ø4 - ø19.9 = 2 pieces per package
ø20 - ø25.9 = 1 piece per package

DMF Flat geometry head



Tool diameter	Head diameter tolerance
ø6 - ø17.9	+0.018 / 0
ø18 - ø25.9	+0.021 / 0

Detail in A

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	LPR	Coated		SDL	PL	PDD	Body
			AH9130					
DMF060	6	3.01	●		0.4	0.61	1.15	TID*060...
New DMF061	6.1	3.01	●		0.4	0.61	1.15	TID*060...
New DMF062	6.2	3.01	●		0.4	0.61	1.15	TID*060...
New DMF063	6.3	3.01	●		0.4	0.61	1.15	TID*060...
New DMF064	6.4	3.01	●		0.4	0.61	1.15	TID*060...
DMF065	6.5	3.28	●		0.4	0.68	1.54	TID*065...
New DMF066	6.6	3.28	●		0.4	0.68	1.54	TID*065...
New DMF067	6.7	3.28	●		0.4	0.68	1.54	TID*065...
DMF068	6.8	3.28	●		0.4	0.68	1.54	TID*065...
New DMF069	6.9	3.28	●		0.4	0.68	1.54	TID*065...
DMF070	7	3.58	●		0.4	0.68	1.54	TID*070...
New DMF071	7.1	3.58	●		0.4	0.68	1.54	TID*070...
New DMF072	7.2	3.58	●		0.4	0.68	1.54	TID*070...
New DMF073	7.3	3.58	●		0.4	0.68	1.54	TID*070...
New DMF074	7.4	3.58	●		0.4	0.68	1.54	TID*070...
DMF075	7.5	3.58	●		0.4	0.68	1.54	TID*075...
New DMF076	7.6	3.58	●		0.4	0.68	1.54	TID*075...
New DMF078	7.8	3.58	●		0.4	0.68	1.54	TID*075...
New DMF079	7.9	3.58	●		0.4	0.68	1.54	TID*075...
DMF080	8	4.39	●		0.7	1.09	2.44	TID*080...
DMF081	8.1	4.39	●		0.7	1.09	2.44	TID*080...
New DMF082	8.2	4.39	●		0.7	1.09	2.44	TID*080...
New DMF083	8.3	4.39	●		0.7	1.09	2.44	TID*080...
New DMF084	8.4	4.39	●		0.7	1.09	2.44	TID*080...
DMF085	8.5	4.39	●		0.7	1.09	2.44	TID*085...
DMF086	8.6	4.39	●		0.7	1.09	2.44	TID*085...
DMF087	8.7	4.39	●		0.7	1.09	2.44	TID*085...
DMF088	8.8	4.39	●		0.7	1.09	2.44	TID*085...
New DMF089	8.9	4.39	●		0.7	1.09	2.44	TID*085...
DMF090	9	4.61	●		0.7	1.11	2.55	TID*090...
New DMF091	9.1	4.61	●		0.7	1.11	2.55	TID*090...
New DMF092	9.2	4.61	●		0.7	1.11	2.55	TID*090...
New DMF093	9.3	4.61	●		0.7	1.11	2.55	TID*090...
New DMF094	9.4	4.61	●		0.7	1.11	2.55	TID*090...
DMF095	9.5	4.61	●		0.7	1.11	2.55	TID*095...
New DMF096	9.6	4.61	●		0.7	1.11	2.55	TID*095...
New DMF097	9.7	4.61	●		0.7	1.11	2.55	TID*095...

Designation	DC	LPR	Coated		SDL	PL	PDD	Body
			AH9130					
New DMF098	9.8	4.61	●		0.7	1.11	2.55	TID*095...
New DMF099	9.9	4.61	●		0.7	1.11	2.55	TID*095...
DMF100	10	4.72	●		0.7	1.17	2.89	TID*100...
DMF101	10.1	4.72	●		0.7	1.17	2.89	TID*100...
DMF103	10.3	4.72	●		0.7	1.17	2.89	TID*100...
DMF104	10.4	4.72	●		0.7	1.17	2.89	TID*100...
DMF105	10.5	4.72	●		0.7	1.17	2.89	TID*105...
DMF106	10.6	4.72	●		0.7	1.17	2.89	TID*105...
DMF107	10.7	4.72	●		0.7	1.17	2.89	TID*105...
DMF108	10.8	4.72	●		0.7	1.17	2.89	TID*105...
DMF110	11	4.9	●		0.7	1.25	2.98	TID*110...
DMF115	11.5	4.9	●		0.7	1.25	2.98	TID*115...
DMF117	11.7	4.9	●		0.7	1.25	2.98	TID*115...
DMF120	12	5.21	●		0.7	1.26	3.13	TID*120...
DMF121	12.1	5.21	●		0.7	1.26	3.13	TID*120...
DMF122	12.2	5.21	●		0.7	1.26	3.13	TID*120...
DMF123	12.3	5.21	●		0.7	1.26	3.13	TID*120...
DMF124	12.4	5.21	●		0.7	1.26	3.13	TID*120...
DMF125	12.5	5.21	●		0.7	1.26	3.13	TID*125...
DMF126	12.6	5.21	●		0.7	1.26	3.13	TID*125...
DMF127	12.7	5.21	●		0.7	1.26	3.13	TID*125...
DMF130	13	5.53	●		0.7	1.28	3.52	TID*130...
DMF131	13.1	5.53	●		0.7	1.28	3.52	TID*130...
DMF133	13.3	5.53	●		0.7	1.28	3.52	TID*130...
DMF135	13.5	5.53	●		0.7	1.28	3.52	TID*135...
DMF137	13.7	5.53	●		0.7	1.28	3.52	TID*135...
DMF138	13.8	5.53	●		0.7	1.28	3.52	TID*135...
DMF139	13.9	5.53	●		0.7	1.28	3.52	TID*135...
DMF140	14	5.96	●		0.7	1.31	3.81	TID*140...
DMF141	14.1	5.96	●		0.7	1.31	3.81	TID*140...
DMF142	14.2	5.96	●		0.7	1.31	3.81	TID*140...
DMF143	14.3	5.96	●		0.7	1.31	3.81	TID*140...
DMF144	14.4	5.96	●		0.7	1.31	3.81	TID*140...
DMF145	14.5	5.96	●		0.7	1.31	3.81	TID*145...
DMF150	15	6.43	●		0.7	1.35	4.24	TID*150...
DMF152	15.2	6.43	●		0.7	1.35	4.24	TID*150...
DMF155	15.5	6.43	●		0.7	1.35	4.24	TID*150...

ø6 - ø19.9 = 2 pieces per package
ø20 - ø25.9 = 1 piece per package

● : New product
● : Line up

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

★ : First choice
☆ : Second choice

Designation	DC	LPR	Coated		SDL	PL	PDD	Body
			AH9130					
DMF157	15.7	6.43	●		0.7	1.35	4.24	TID*150...
DMF158	15.8	6.43	●		0.7	1.35	4.24	TID*150...
DMF160	16	6.84	●		0.7	1.39	4.06	TID*160...
DMF161	16.1	6.84	●		0.7	1.39	4.06	TID*160...
DMF165	16.5	6.84	●		0.7	1.39	4.06	TID*160...
DMF167	16.7	6.84	●		0.7	1.39	4.06	TID*160...
DMF170	17	7.15	●		0.7	1.4	4.14	TID*170...
DMF175	17.5	7.15	●		0.7	1.4	4.14	TID*170...
DMF179	17.9	7.15	●		0.7	1.4	4.14	TID*170...
DMF180	18	7.45	●		0.7	1.42	4.16	TID*180...
DMF185	18.5	7.45	●		0.7	1.42	4.16	TID*180...
DMF190	19	7.79	●		0.7	1.44	4.25	TID*190...
DMF195	19.5	7.79	●		0.7	1.44	4.25	TID*190...
DMF198	19.8	7.79	●		0.7	1.44	4.25	TID*190...
DMF200	20	9.12	●		0.7	1.77	6.56	TID*200...
DMF205	20.5	9.12	●		0.7	1.77	6.56	TID*200...
DMF210	21	9.54	●		0.7	1.79	6.92	TID*210...
DMF215	21.5	9.54	●		0.7	1.79	6.92	TID*210...
DMF218	21.8	9.54	●		0.7	1.79	6.92	TID*210...
DMF220	22	9.86	●		0.7	1.81	7.13	TID*220...
DMF225	22.5	9.86	●		0.7	1.81	7.13	TID*220...
DMF230	23	10.28	●		0.7	1.83	7.42	TID*230...
DMF235	23.5	10.28	●		0.7	1.83	7.42	TID*230...
DMF240	24	10.71	●		0.7	1.86	7.45	TID*240...
DMF245	24.5	10.71	●		0.7	1.86	7.45	TID*240...
DMF250	25	11.15	●		0.7	1.9	7.54	TID*250...
DMF254	25.4	11.15	●		0.7	1.9	7.54	TID*250...
DMF255	25.5	11.15	●		0.7	1.9	7.54	TID*250...
DMF259	25.9	11.15	●		0.7	1.9	7.54	TID*250...

ø6 - ø19.9 = 2 pieces per package
ø20 - ø25.9 = 1 piece per package

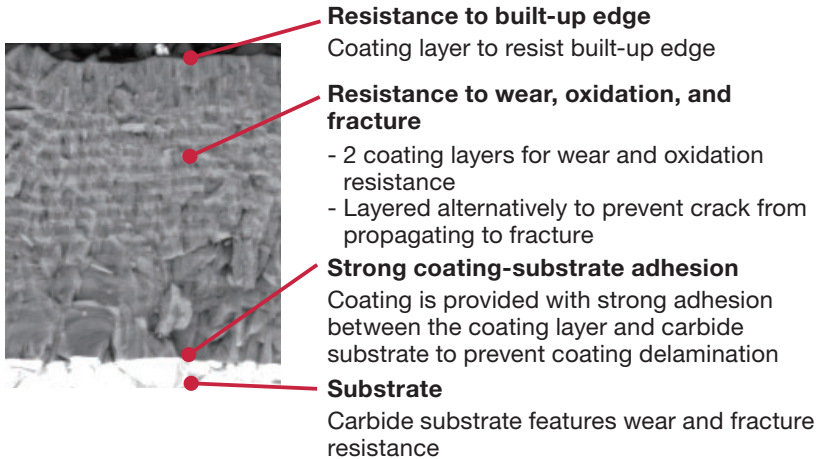
● : Line up

GRADE

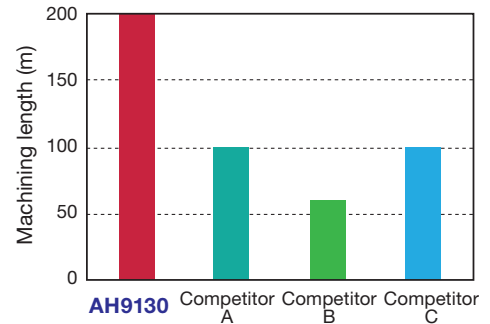
Latest coating optimized for extended tool life

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 (S55C / C55)



P Tool : $\phi 14$ mm, L/D = 5
Cutting speed : $V_c = 100$ m/min
Feed : $f = 0.25$ mm/rev
Hole depth : $H = 60$ mm (Blind hole)

STANDARD CUTTING CONDITIONS

ISO	Workpiece material	Cutting speed Vc (m/min)	Feed: f (mm/rev)										
			Tool diameter: DC (mm)										
			$\phi 4 - 4.4$	$\phi 4.5 - 4.9$	$\phi 5 - 5.9$	$\phi 6 - 7.9$	$\phi 8 - 9.9$	$\phi 10 - \phi 11.9$	$\phi 12 - \phi 13.9$	$\phi 14 - \phi 15.9$	$\phi 16 - \phi 19.9$	$\phi 20 - \phi 25.9$	
P	Low carbon steels (C < 0.3) SS400, SM490, S25C, etc. C15E4, E275A, E355D, etc.	80 - 140	0.04 - 0.07	0.04 - 0.08	0.07 - 0.13	0.09 - 0.13	0.12 - 0.25	0.15 - 0.28	0.18 - 0.3	0.20 - 0.35	0.25 - 0.45	0.25 - 0.45	
	High carbon steels (C > 0.3) S45C, S55C, etc. C45, C55, etc.	70 - 120	0.04 - 0.07	0.04 - 0.08	0.07 - 0.13	0.09 - 0.13	0.12 - 0.25	0.15 - 0.28	0.18 - 0.3	0.2 - 0.35	0.25 - 0.45	0.25 - 0.45	
	Low alloy steels SCM415, etc. 18CrMo4, etc.	70 - 120	0.04 - 0.06	0.05 - 0.08	0.07 - 0.13	0.08 - 0.13	0.11 - 0.25	0.14 - 0.28	0.16 - 0.32	0.18 - 0.35	0.23 - 0.4	0.25 - 0.45	
	Alloy steels SCM440, SCR420, etc. 42CrMo4, 20Cr4, etc.	40 - 90	0.04 - 0.07	0.05 - 0.08	0.07 - 0.13	0.08 - 0.13	0.11 - 0.25	0.14 - 0.28	0.16 - 0.32	0.18 - 0.35	0.23 - 0.4	0.25 - 0.45	
M	Stainless steels SUS304, SUS316, etc. X5CrNi18-9, X5CrNiMo17-12-2, etc.	30 - 70	-	-	0.04 - 0.08	0.08 - 0.1	0.1 - 0.15	0.12 - 0.18	0.14 - 0.2	0.16 - 0.24	0.16 - 0.26	0.18 - 0.3	
K	Grey cast irons FC250, etc. GG25, etc.	80 - 180	0.04 - 0.08	0.04 - 0.08	0.1 - 0.15	0.12 - 0.18	0.15 - 0.3	0.20 - 0.35	0.25 - 0.4	0.3 - 0.45	0.35 - 0.55	0.35 - 0.6	
	Ductile cast irons FCD700, etc. GGG70, etc.	80 - 140	0.04 - 0.08	0.04 - 0.08	0.1 - 0.15	0.12 - 0.18	0.15 - 0.3	0.20 - 0.35	0.25 - 0.4	0.3 - 0.45	0.35 - 0.55	0.35 - 0.6	
N	Aluminium alloys ADC12, etc. AlSi11Cu3, etc.	80 - 220	-	-	-	0.1 - 0.2	0.2 - 0.35	0.25 - 0.4	0.3 - 0.45	0.35 - 0.5	0.4 - 0.6	0.5 - 0.75	
S	Titanium alloys Ti-6Al-4V, etc.	20 - 50	-	-	-	0.05 - 0.07	0.06 - 0.12	0.08 - 0.15	0.1 - 0.28	0.12 - 0.2	0.14 - 0.22	0.18 - 0.27	
	Nickel-based alloys	20 - 50	-	-	-	0.05 - 0.07	0.06 - 0.11	0.08 - 0.13	0.1 - 0.15	0.12 - 0.18	0.12 - 0.22	0.14 - 0.22	
H	Hardened steel	20 - 50	-	-	-	0.05 - 0.07	0.06 - 0.12	0.08 - 0.15	0.1 - 0.18	0.12 - 0.2	0.14 - 0.22	0.16 - 0.25	

- 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 Corporation (Head office)

11-1 Yoshima-Kogyodanchi
Iwaki-city, Fukushima 970-1144 Japan
Phone: +81-246-36-8501
Fax: +81-246-36-8542
www.tungaloy.co.jp

Tungaloy America, Inc.

3726 N Ventura Drive
Arlington Heights, IL 60004, U.S.A.
Phone: +1-888-554-8394
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

Tungaloy do Brasil Ltda.

Avd. Independencia N4158 Residencial Flora
13280-000 Vinhedo, São Paulo, Brasil
Phone: +55-19-38262757
Fax: +55-19-38262757
www.tungaloy.com/br

Tungaloy Germany GmbH

An der Alten Ziegelei 1
D-40789 Monheim, Germany
Phone: +49-2173-90420-0
Fax: +49-2173-90420-19
www.tungaloy.com/de

Tungaloy France S.A.S.

ZA Courtaboeuf - Le Rio
1 rue de la Terre de feu
F-91952 Courtaboeuf Cedex, France
Phone: +33-1-6486-4300
Fax: +33-1-6907-7817
www.tungaloy.com/fr

Tungaloy Italia S.r.l.

Via E. Andolfato 10
I-20126 Milano, Italy
Phone: +39-02-252012-1
Fax: +39-02-252012-65
www.tungaloy.com/it

Tungaloy Czech s.r.o.

Turanka 115
CZ-627 00 Brno, Czech Republic
Phone: +420-532 123 391
Fax: +420-532 123 392
www.tungaloy.com/cz

Tungaloy Ibérica S.L.

C/Miquel Servet, 43B, Nau 7
Pol. Ind. Bufalvent
ES-08243 Manresa (BCN), Spain
Phone: +34 93 113 1360
Fax: +34 93 876 2798
www.tungaloy.com/es

Tungaloy Scandinavia AB

Bultgatan 38
442 40 Kungälv, Sweden
Phone: +46-462119200
Fax: +46-462119207
www.tungaloy.com/se

Tungaloy Rus, LLC

Andropova avenue, h.18/7,
11 floor, office 3, 115432,
Moscow, Russia
Phone: +7-499-683-01-80
Fax: +7-499-683-01-81
www.tungaloy.com/ru

Tungaloy Polska Sp. z o.o.

Ul. Irysowa 1, 55-040 Bielany
Wroclawskie, Poland
Phone: +48 607 907 237
www.tungaloy.com/pl

Tungaloy U.K. Ltd

Gallan Park, Watling Street,
Cannock, WS110XG, UK
Phone: +44 121 4000 231
Fax: +44 121 270 9694
www.tungaloy.com/uk

Tungaloy Hungary Kft

Erzsébet királyné útja 125
H-1142 Budapest, Hungary
Phone: +36 1 781-6846
Fax: +36 1 781-6866
www.tungaloy.com/hu

Tungaloy Turkey

Serifali Mah.bayraktar Bulvari Kule Sk. No:26
34775 Umraniye / Istanbul / Turkey
Phone: +90 216 540 04 67
Fax: +90 216 540 04 87
www.tungaloy.com/tr

Tungaloy Benelux b.v.

Tjalk 70
NL-2411 NZ Bodegraven, Netherlands
Phone: +31 172 630 420
Fax: +31 172 630 429
www.tungaloy.com/nl

Tungaloy Croatia

Ulica bana Josipa Jelačića 87,
10430, Samobor, Croatia
Phone: +385 1 3326 604
Fax: +385 1 3327 683
www.tungaloy.com/hr

Tungaloy Cutting Tool (Shanghai) Co.,Ltd.

Rm No 401 No.88 Zhabei
Jiangchang No.3 Rd
Shanghai 200436, China
Phone: +86-21-3632-1880
Fax: +86-21-3621-1918
www.tungaloy.com/cn

Tungaloy Cutting Tools (Taiwan) Co.,Ltd.

9F, No.293, Zhongyang Rd,
Xinzhuan Dist, New Taipei City,
24251 Taiwan
Phone: +886-2-8521-9986
Fax: +886-2-8521-8935
www.tungaloy.com/tw

Tungaloy Cutting Tools (Thailand) Co.,Ltd.

Interlink tower 4th Fl.
1858/5-7 Bangna-Trad Road
km.5 Bangna, Bangna, Bangkok 10260
Thailand
Phone: +66-2-751-5711
Fax: +66-2-751-5715
www.tungaloy.com/th

Tungaloy Singapore (Pte.), Ltd.

62 Ubi Road 1, #06-11 Oxley BizHub 2
Singapore 408734
Phone: +65-6391-1833
Fax: +65-6299-4557
www.tungaloy.com/sg

Tungaloy Vietnam

LE04.38, Lexington Residence
67 Mai Chi Tho St., Dist. 2,
Ho Chi Minh City, Vietnam
Phone: +84-2837406660
www.tungaloy.com/sg

Tungaloy India Pvt. Ltd.

One International Center,
Unit # 902-A, 9th Floor,
Tower 1, Senapati Bapat Marg,
Elphinstone Road (West),
Mumbai-400013, India
Phone: +91-22-6124-8804
Fax: +91-22-6124-8899
www.tungaloy.com/in

Tungaloy Korea Co., Ltd

#1312, Byucksan Digital Valley 5-cha
Beotkkot-ro 244, Geumcheon-gu
153-788 Seoul, Korea
Phone: +82-2-2621-6161
Fax: +82-2-6393-8952
www.tungaloy.com/kr

Tungaloy Malaysia Sdn Bhd

50 K-2, Kelana Mall, Jalan SS6/14
Kelana Jaya, 47301
Petaling Jaya, Selangor Darul Ehsan
Malaysia
Phone: +603-7805-3222
Fax: +603-7804-8563
www.tungaloy.com/my

Tungaloy Australia Pty Ltd

Unit 68 1470 Ferntree Gully Road
Knoxfield 3180 Victoria, Australia
Phone: +61-3-9755-8147
Fax: +61-3-9755-6070
www.tungaloy.com/au

PT. Tungaloy Indonesia

Kompleks Grand Wisata Block AA-10 No.3-5
Cibitung
Bekasi 17510, Indonesia
Phone: +62-21-8261-5808
Fax: +62-21-8261-5809
www.tungaloy.com/id



tungaloy.com

follow us at:

facebook.com/tungaloyjapan

twitter.com/tungaloyjapan

www.youtube.com/tungaloycorporation

Distributed by:



FIND US ON THE CLOUD!
machingcloud.com



AS9100 Certified
78006
2015.11.04
ISO14001 Certified
EC97J1123
1997.11.26

Produced from Recycled paper

Jun. 2022 (TJ)