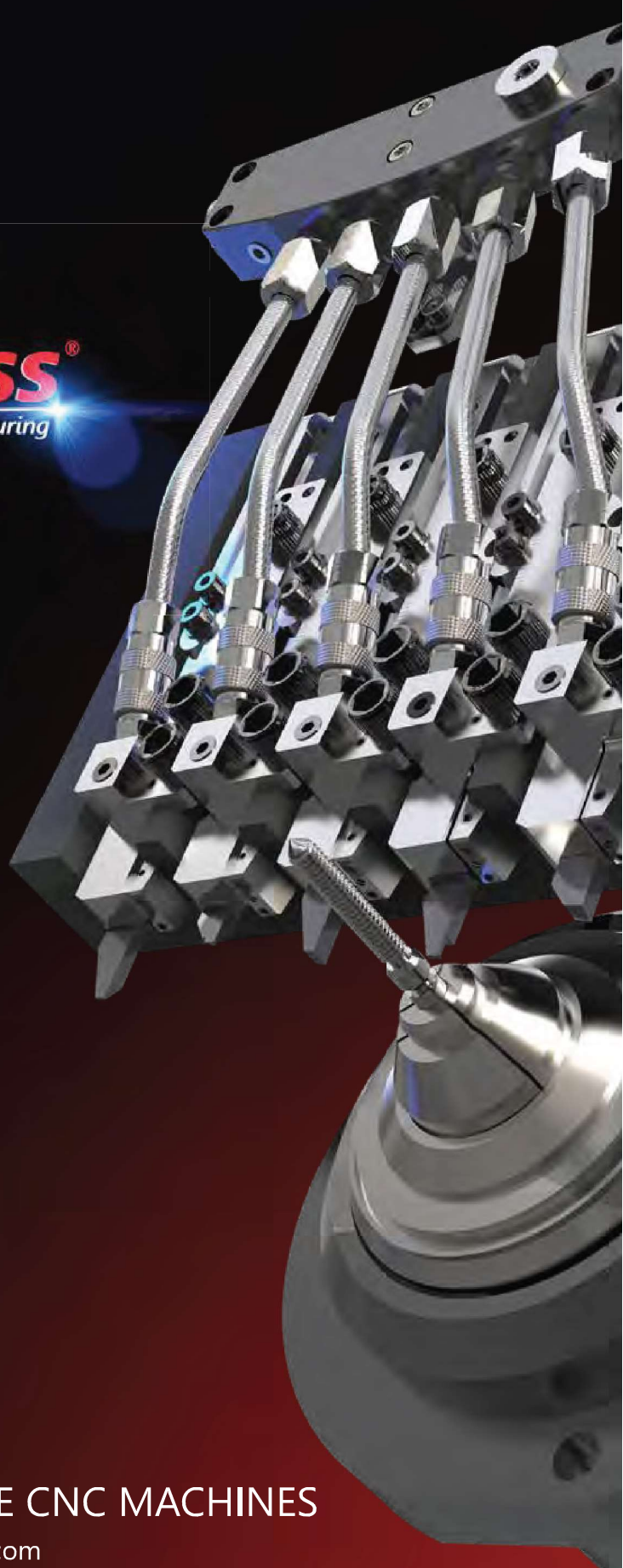




GenSwiss[®]
Advancing Small Parts Manufacturing

2019 Catalog

Version 10.19



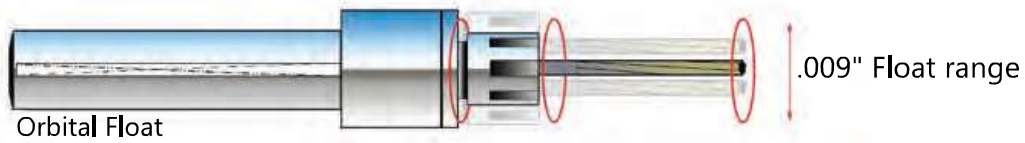
TOOLING FOR SWISS-TYPE CNC MACHINES

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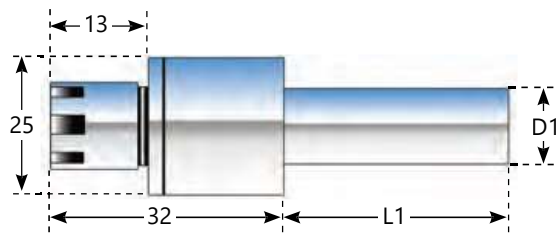
.009"
**True
 Orbital
 Float**



- Simplifies Small Hole Reaming
- Prevents Breakage of Expensive Micro Reamers
- Fits Into the Smallest Swiss Machines
- Compensates for Hole Misalignment



Designed with "True Orbital Float" capability, the micro reamer holder aligns the reamer perfectly to the drilled hole enabling better size control, reduces "bell-mouthing", and increases tool life.

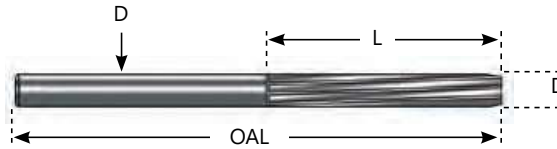


Item No.	Description	Shank (D1)	Length (L1)	Collet Size
3505-000100	RFH-08-008-042	8mm	42mm	ER8
3505-000103	RFH-08-190-070	3/4in	70mm	ER8
3505-000105	RFH-11-010-042	10mm	42mm	ER11
3505-000108	RFH-11-200-042	20mm	42mm	ER11
3505-000107	RFH-11-220-042	22mm	42mm	ER11
3505-000106	RFH-11-190-042	3/4in	42mm	ER11

Holds .5mm to 7mm diameter reamers



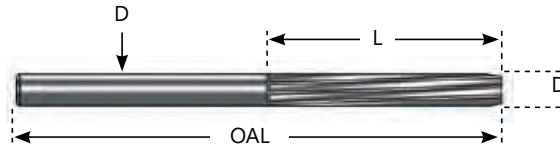
- Precision manufactured from K15 carbide
- Sizes ranging from .023" - .5138"
- Diameter tolerance of +.00012" / - 0.00"
- 10° left hand spiral right hand cut



Item No.	Description	D mm	D Inch	L	OAL	Item No.	Description	D mm	D Inch	L	OAL
3510-000176	TR-8600-0060	0.60	.0236	.281	1 5/16	3510-000109	TR-8600-0108	1.08	.0425	.406	1 9/16
3510-000387	TR-8600-0061	0.61	.0240	.281	1 5/16	3510-000110	TR-8600-0109	1.09	.0429	.406	1 9/16
3510-000215	TR-8600-0062	0.62	.0244	.281	1 5/16	Call For Details	TR-8600-0110	1.10	.0433	.406	1 9/16
3510-000278	TR-8600-0063	0.63	.0248	.281	1 5/16	3510-000254	TR-8600-0111	1.11	.0437	.406	1 9/16
3510-000152	TR-8600-0064	0.64	.0252	.281	1 5/16	3510-000111	TR-8600-0112	1.12	.0441	.406	1 9/16
3510-000153	TR-8600-0065	0.65	.0256	.281	1 5/16	Call For Details	TR-8600-0113	1.13	.0445	.406	1 9/16
3510-000168	TR-8600-0066	0.66	.0260	.281	1 5/16	Call For Details	TR-8600-0114	1.14	.0449	.406	1 9/16
3510-000343	TR-8600-0067	0.67	.0264	.281	1 5/16	3510-000192	TR-8600-0115	1.15	.0453	.406	1 9/16
3510-000324	TR-8600-0068	0.68	.0268	.281	1 5/16	3510-000253	TR-8600-0116	1.16	.0457	.406	1 9/16
Call For Details	TR-8600-0069	0.69	.0272	.281	1 5/16	Call For Details	TR-8600-0117	1.17	.0461	.406	1 9/16
3510-000217	TR-8600-0070	0.70	.0276	.281	1 5/16	3510-000207	TR-8600-0118	1.18	.0465	.406	1 9/16
3510-000202	TR-8600-0071	0.71	.0280	.281	1 5/16	Call For Details	TR-8600-0119	1.19	.0469	.406	1 9/16
3510-000100	TR-8600-0072	0.72	.0283	.281	1 5/16	3510-000310	TR-8600-0120	1.20	.0472	.406	1 9/16
3510-000364	TR-8600-0073	0.73	.0287	.281	1 5/16	3510-000275	TR-8600-0121	1.21	.0476	.406	1 9/16
3510-000102	TR-8600-0074	0.74	.0291	.281	1 5/16	Call For Details	TR-8600-0122	1.22	.0480	.406	1 9/16
3510-000256	TR-8600-0075	0.75	.0295	.281	1 5/16	Call For Details	TR-8600-0123	1.23	.0484	.406	1 9/16
Call For Details	TR-8600-0076	0.76	.0299	.281	1 5/16	3510-000169	TR-8600-0124	1.24	.0488	.406	1 9/16
3510-000178	TR-8600-0077	0.77	.0303	.281	1 5/16	3510-000170	TR-8600-0125	1.25	.0492	.406	1 9/16
3510-000103	TR-8600-0078	0.78	.0307	.281	1 5/16	Call For Details	TR-8600-0126	1.26	.0496	.406	1 9/16
3510-000104	TR-8600-0079	0.79	.0311	.281	1 5/16	3510-000112	TR-8600-0127	1.27	.0500	.406	1 9/16
3510-000301	TR-8600-0080	0.80	.0315	.281	1 5/16	3510-000113	TR-8600-0128	1.28	.0504	.406	1 9/16
Call For Details	TR-8600-0081	0.81	.0319	.281	1 5/16	Call For Details	TR-8600-0129	1.29	.0508	.406	1 9/16
3510-000197	TR-8600-0082	0.82	.0323	.281	1 5/16	3510-000163	TR-8600-0130	1.30	.0512	.406	1 9/16
3510-000376	TR-8600-0083	0.83	.0327	.281	1 5/16	3510-000195	TR-8600-0131	1.31	.0516	.406	1 9/16
Call For Details	TR-8600-0084	0.84	.0331	.281	1 5/16	3510-000114	TR-8600-0132	1.32	.0520	.406	1 9/16
3510-000200	TR-8600-0085	0.85	.0335	.281	1 5/16	3510-000346	TR-8600-0133	1.33	.0524	.406	1 9/16
3510-000294	TR-8600-0086	0.86	.0339	.281	1 5/16	Call For Details	TR-8600-0134	1.34	.0528	.406	1 9/16
Call For Details	TR-8600-0087	0.87	.0343	.281	1 5/16	Call For Details	TR-8600-0135	1.35	.0531	.406	1 9/16
3510-000377	TR-8600-0088	0.88	.0346	.281	1 5/16	3510-000335	TR-8600-0136	1.36	.0535	.406	1 9/16
3510-000203	TR-8600-0089	0.89	.0350	.281	1 5/16	3510-000193	TR-8600-0137	1.37	.0539	.406	1 9/16
3510-000105	TR-8600-0090	0.90	.0354	.281	1 5/16	3510-000194	TR-8600-0138	1.38	.0543	.406	1 9/16
Call For Details	TR-8600-0091	0.91	.0358	.281	1 5/16	Call For Details	TR-8600-0139	1.39	.0547	.406	1 9/16
Call For Details	TR-8600-0092	0.92	.0362	.281	1 5/16	3510-000141	TR-8600-0140	1.40	.0551	.406	1 9/16
3510-000323	TR-8600-0093	0.93	.0366	.281	1 5/16	3510-000300	TR-8600-0141	1.41	.0555	.406	1 9/16
Call For Details	TR-8600-0094	0.94	.0370	.281	1 5/16	3510-000276	TR-8600-0142	1.42	.0559	.406	1 9/16
Call For Details	TR-8600-0095	0.95	.0374	.281	1 5/16	Call For Details	TR-8600-0143	1.43	.0563	.406	1 9/16
Call For Details	TR-8600-0096	0.96	.0378	.281	1 5/16	Call For Details	TR-8600-0144	1.44	.0567	.406	1 9/16
3510-000160	TR-8600-0096	0.96	.0378	.281	1 5/16	Call For Details	TR-8600-0145	1.45	.0571	.406	1 9/16
Call For Details	TR-8600-0097	0.97	.0382	.281	1 5/16	3510-000279	TR-8600-0146	1.46	.0575	.406	1 9/16
3510-000296	TR-8600-0098	0.98	.0386	.281	1 5/16	3510-000264	TR-8600-0147	1.47	.0579	.406	1 9/16
3510-000297	TR-8600-0099	0.99	.0390	.281	1 5/16	Call For Details	TR-8600-0148	1.48	.0583	.406	1 9/16
3510-000298	TR-8600-0100	1.00	.0394	.281	1 5/16	3510-000373	TR-8600-0149	1.49	.0587	.406	1 9/16
3510-000187	TR-8600-0101	1.01	.0398	.281	1 5/16	3510-000175	TR-8600-0150	1.50	.0591	.406	1 9/16
3510-000289	TR-8600-0102	1.02	.0402	.281	1 5/16	3510-000183	TR-8600-0151	1.51	.0594	.406	1 9/16
Call For Details	TR-8600-0103	1.03	.0406	.281	1 5/16	3510-000184	TR-8600-0152	1.52	.0598	.406	1 9/16
3510-000107	TR-8600-0104	1.04	.0409	.281	1 5/16	3510-000185	TR-8600-0153	1.53	.0602	.406	1 9/16
3510-000108	TR-8600-0105	1.05	.0413	.281	1 5/16	3510-000186	TR-8600-0154	1.54	.0606	.406	1 9/16
3510-000367	TR-8600-0106	1.06	.0417	.406	1 9/16	3510-000257	TR-8600-0155	1.55	.0610	.406	1 9/16
3510-000368	TR-8600-0107	1.07	.0421	.406	1 9/16						



Item No.	Description	D mm	D Inch	L	OAL	Item No.	Description	D mm	D Inch	L	OAL
3510-000309	TR-8600-0156	1.56	.0614	.437	2	3510-000121	TR-8600-0197	1.97	.0776	.437	2
3510-000191	TR-8600-0157	1.57	.0618	.437	2	3510-000322	TR-8600-0198	1.98	.0780	.437	2
3510-000190	TR-8600-0158	1.58	.0622	.437	2	3510-000122	TR-8600-0199	1.99	.0783	.437	2
3510-000115	TR-8600-0159	1.59	.0626	.437	2	3510-000339	TR-8600-0200	2.00	.0787	.437	2
3510-000158	TR-8600-0160	1.60	.0630	.437	2	3510-000356	TR-8600-0201	2.01	.0791	.437	2
3510-000116	TR-8600-0161	1.61	.0634	.437	2	Call For Details	TR-8600-0202	2.02	.0795	.437	2
3510-000248	TR-8600-0162	1.62	.0638	.437	2	3510-000204	TR-8600-0203	2.03	.0799	.437	2
3510-000177	TR-8600-0163	1.63	.0642	.437	2	3510-000123	TR-8600-0204	2.04	.0803	.437	2
3510-000180	TR-8600-0164	1.64	.0646	.437	2	3510-000124	TR-8600-0205	2.05	.0807	.437	2
3510-000117	TR-8600-0165	1.65	.0650	.437	2	3510-000125	TR-8600-0206	2.06	.0811	.437	2
Call For Details	TR-8600-0166	1.66	.0654	.437	2	3510-000374	TR-8600-0207	2.07	.0815	.437	2
Call For Details	TR-8600-0167	1.67	.0657	.437	2	3510-000375	TR-8600-0208	2.08	.0819	.437	2
3510-000344	TR-8600-0168	1.68	.0661	.437	2	Call For Details	TR-8600-0209	2.09	.0823	.437	2
3510-000345	TR-8600-0169	1.69	.0665	.437	2	3510-000304	TR-8600-0210	2.10	.0827	.437	2
3510-000342	TR-8600-0170	1.70	.0669	.437	2	3510-000126	TR-8600-0211	2.11	.0831	.437	2
3510-000118	TR-8600-0171	1.71	.0673	.437	2	Call For Details	TR-8600-0212	2.12	.0835	.437	2
3510-000336	TR-8600-0172	1.72	.0677	.437	2	Call For Details	TR-8600-0213	2.13	.0839	.437	2
3510-000144	TR-8600-0173	1.73	.0681	.437	2	3510-000251	TR-8600-0214	2.14	.0843	.437	2
Call For Details	TR-8600-0174	1.74	.0685	.437	2	Call For Details	TR-8600-0215	2.15	.0846	.437	2
3510-000150	TR-8600-0175	1.75	.0689	.437	2	Call For Details	TR-8600-0216	2.16	.0850	.437	2
3510-000361	TR-8600-0176	1.76	.0693	.437	2	3510-000250	TR-8600-0217	2.17	.0854	.437	2
Call For Details	TR-8600-0177	1.77	.0697	.437	2	Call For Details	TR-8600-0218	2.18	.0858	.437	2
3510-000363	TR-8600-0178	1.78	.0701	.437	2	Call For Details	TR-8600-0219	2.19	.0862	.437	2
3510-000378	TR-8600-0179	1.79	.0705	.437	2	Call For Details	TR-8600-0220	2.20	.0866	.437	2
3510-000277	TR-8600-0180	1.80	.0709	.437	2	Call For Details	TR-8600-0221	2.21	.0870	.437	2
Call For Details	TR-8600-0181	1.81	.0713	.437	2	Call For Details	TR-8600-0222	2.22	.0874	.437	2
Call For Details	TR-8600-0182	1.82	.0717	.437	2	Call For Details	TR-8600-0223	2.23	.0878	.437	2
3510-000208	TR-8600-0183	1.83	.0720	.437	2	Call For Details	TR-8600-0224	2.24	.0882	.437	2
Call For Details	TR-8600-0184	1.84	.0724	.437	2	3510-000179	TR-8600-0225	2.25	.0886	.437	2
3510-000370	TR-8600-0185	1.85	.0728	.437	2	Call For Details	TR-8600-0226	2.26	.0890	.437	2
3510-000381	TR-8600-0186	1.86	.0732	.437	2	Call For Details	TR-8600-0227	2.27	.0894	.437	2
3510-000382	TR-8600-0187	1.87	.0736	.437	2	3510-000292	TR-8600-0228	2.28	.0898	.437	2
Call For Details	TR-8600-0188	1.88	.0740	.437	2	Call For Details	TR-8600-0229	2.29	.0902	.437	2
3510-000155	TR-8600-0189	1.89	.0744	.437	2	Call For Details	TR-8600-0230	2.30	.0906	.437	2
3510-000360	TR-8600-0190	1.90	.0748	.437	2	Call For Details	TR-8600-0231	2.31	.0909	.437	2
3510-000156	TR-8600-0191	1.91	.0752	.437	2	3510-000188	TR-8600-0232	2.32	.0913	.437	2
Call For Details	TR-8600-0192	1.92	.0756	.437	2	Call For Details	TR-8600-0233	2.33	.0917	.437	2
3510-000157	TR-8600-0193	1.93	.0760	.437	2	3510-000291	TR-8600-0234	2.34	.0921	.437	2
3510-000119	TR-8600-0194	1.94	.0764	.437	2	3510-000127	TR-8600-0235	2.35	.0925	.437	2
3510-000230	TR-8600-0195	1.95	.0768	.437	2	3510-000128	TR-8600-0236	2.36	.0929	.437	2
3510-000120	TR-8600-0196	1.96	.0772	.437	2						



Item No.	Description	D mm	D Inch	L	OAL	Item No.	Description	D mm	D Inch	L	OAL
3510-000129	TR-8600-0237	2.37	.0933	.593	2 1/4	Call For Details	TR-8600-0282	2.82	.1110	.593	2 1/4
3510-000130	TR-8600-0238	2.38	.0937	.593	2 1/4	3510-000151	TR-8600-0283	2.83	.1114	.593	2 1/4
3866-000351	TR-8600-0239	2.39	.0941	.593	2 1/4	3510-000316	TR-8600-0284	2.84	.1118	.593	2 1/4
3510-000145	TR-8600-0240	2.40	.0945	.593	2 1/4	Call For Details	TR-8600-0285	2.85	.1122	.593	2 1/4
3510-000347	TR-8600-0241	2.41	.0949	.593	2 1/4	Call For Details	TR-8600-0286	2.86	.1126	.593	2 1/4
Call For Details	TR-8600-0242	2.42	.0953	.593	2 1/4	Call For Details	TR-8600-0287	2.87	.1130	.593	2 1/4
Call For Details	TR-8600-0243	2.43	.0957	.593	2 1/4	3510-000263	TR-8600-0288	2.88	.1134	.593	2 1/4
3510-000371	TR-8600-0244	2.44	.0961	.593	2 1/4	Call For Details	TR-8600-0289	2.89	.1138	.593	2 1/4
3510-000196	TR-8600-0245	2.45	.0965	.593	2 1/4	Call For Details	TR-8600-0290	2.90	.1142	.593	2 1/4
3510-000189	TR-8600-0246	2.46	.0969	.593	2 1/4	Call For Details	TR-8600-0291	2.91	.1146	.593	2 1/4
3510-000287	TR-8600-0247	2.47	.0972	.593	2 1/4	3510-000295	TR-8600-0292	2.92	.1150	.593	2 1/4
3510-000288	TR-8600-0248	2.48	.0976	.593	2 1/4	3510-000302	TR-8600-0293	2.93	.1154	.593	2 1/4
3510-000131	TR-8600-0249	2.49	.0980	.593	2 1/4	Call For Details	TR-8600-0294	2.94	.1157	.593	2 1/4
3510-000159	TR-8600-0250	2.50	.0984	.593	2 1/4	3510-000233	TR-8600-0295	2.95	.1161	.593	2 1/4
3510-000365	TR-8600-0251	2.51	.0988	.593	2 1/4	3510-000234	TR-8600-0296	2.96	.1165	.593	2 1/4
Call For Details	TR-8600-0252	2.52	.0992	.593	2 1/4	Call For Details	TR-8600-0297	2.97	.1169	.593	2 1/4
Call For Details	TR-8600-0253	2.53	.0996	.593	2 1/4	3510-000252	TR-8600-0298	2.98	.1173	.593	2 1/4
3510-000182	TR-8600-0254	2.54	.1000	.593	2 1/4	3510-000210	TR-8600-0299	2.99	.1177	.593	2 1/4
3510-000198	TR-8600-0255	2.55	.1004	.593	2 1/4	3510-000255	TR-8600-0300	3.00	.1181	.593	2 1/4
Call For Details	TR-8600-0256	2.56	.1008	.593	2 1/4	3510-000231	TR-8600-0301	3.01	.1185	.593	2 1/4
Call For Details	TR-8600-0257	2.57	.1012	.593	2 1/4	3510-000337	TR-8600-0302	3.02	.1189	.593	2 1/4
Call For Details	TR-8600-0258	2.58	.1016	.593	2 1/4	3510-000338	TR-8600-0303	3.03	.1193	.593	2 1/4
Call For Details	TR-8600-0259	2.59	.1020	.593	2 1/4	Call For Details	TR-8600-0304	3.04	.1197	.593	2 1/4
Call For Details	TR-8600-0260	2.60	.1024	.593	2 1/4	3510-000134	TR-8600-0305	3.05	.1201	.593	2 1/4
3510-000341	TR-8600-0261	2.61	.1028	.593	2 1/4	3510-000354	TR-8600-0306	3.06	.1205	.593	2 1/4
3510-000340	TR-8600-0262	2.62	.1031	.593	2 1/4	Call For Details	TR-8600-0307	3.07	.1209	.593	2 1/4
3510-000132	TR-8600-0263	2.63	.1035	.593	2 1/4	Call For Details	TR-8600-0308	3.08	.1213	.593	2 1/4
Call For Details	TR-8600-0264	2.64	.1039	.593	2 1/4	3510-000232	TR-8600-0309	3.09	.1217	.593	2 1/4
Call For Details	TR-8600-0265	2.65	.1043	.593	2 1/4	3510-000315	TR-8600-0310	3.10	.1220	.593	2 1/4
Call For Details	TR-8600-0266	2.66	.1047	.593	2 1/4	3510-000135	TR-8600-0311	3.11	.1224	.593	2 1/4
3510-000173	TR-8600-0267	2.67	.1051	.593	2 1/4	3510-000355	TR-8600-0312	3.12	.1228	.593	2 1/4
3510-000174	TR-8600-0268	2.68	.1055	.593	2 1/4	3510-000235	TR-8600-0313	3.13	.1232	.593	2 1/4
3510-000379	TR-8600-0269	2.69	.1059	.593	2 1/4	3510-000236	TR-8600-0314	3.14	.1236	.593	2 1/4
Call For Details	TR-8600-0270	2.70	.1063	.593	2 1/4	Call For Details	TR-8600-0315	3.15	.1240	.593	2 1/4
Call For Details	TR-8600-0271	2.71	.1067	.593	2 1/4	3510-000136	TR-8600-0316	3.16	.1244	.593	2 1/4
3510-000359	TR-8600-0272	2.72	.1071	.593	2 1/4	3510-000357	TR-8600-0317	3.17	.1248	.593	2 1/4
Call For Details	TR-8600-0273	2.73	.1075	.593	2 1/4	3510-000138	TR-8600-0318	3.18	.1252	.593	2 1/4
Call For Details	TR-8600-0274	2.74	.1079	.593	2 1/4	3510-000206	TR-8600-0319	3.19	.1256	.593	2 1/4
Call For Details	TR-8600-0275	2.75	.1083	.593	2 1/4	3510-000161	TR-8600-0320	3.20	.1260	.593	2 1/4
Call For Details	TR-8600-0276	2.76	.1087	.593	2 1/4	3510-000171	TR-8600-0321	3.21	.1264	.593	2 1/4
3510-000143	TR-8600-0277	2.77	.1091	.593	2 1/4	3510-000303	TR-8600-0322	3.22	.1268	.593	2 1/4
3510-000362	TR-8600-0278	2.78	.1094	.593	2 1/4	3510-000172	TR-8600-0323	3.23	.1272	.593	2 1/4
3510-000380	TR-8600-0279	2.79	.1098	.593	2 1/4	3510-000201	TR-8600-0324	3.24	.1276	.593	2 1/4
3510-000372	TR-8600-0280	2.80	.1102	.593	2 1/4	3510-000282	TR-8600-0325	3.25	.1280	.593	2 1/4
Call For Details	TR-8600-0281	2.81	.1106	.593	2 1/4						

Additional Sizes Available - Call for Details