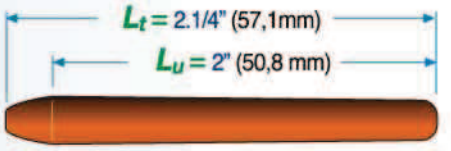
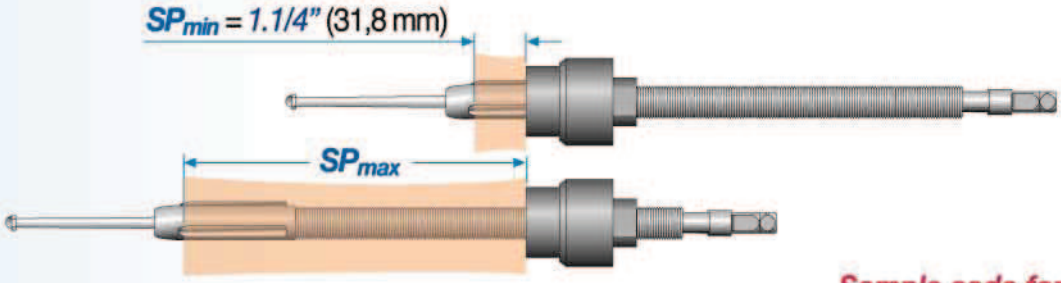
Tube expanders with adjustable reach

For thick tube-sheets

MG/1200 With 2.1/4" long rolls

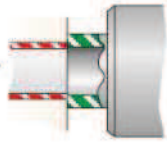




Sample code for ordering tube expanders
d_e 1" - 14 B.W.G.

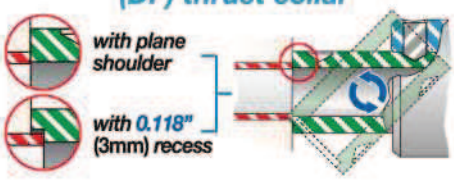
Thrust collar

Standard reach	STD SP_{max} = 5.3/4" (146,0 mm)	MG/1250	with plane shoulder
Extra reach — B	SP_{max} = 9.3/4" (247,6 mm)	MG/1250-B	
Extra reach — C	SP_{max} = 11.3/4" (298,4 mm)	MG/1250-C	



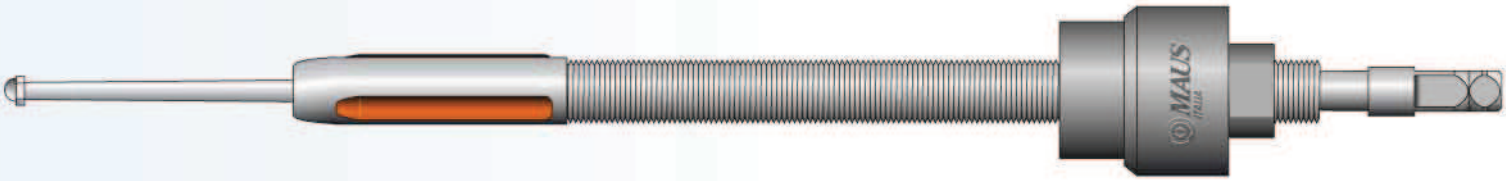
On request Double Face (DF) thrust collar

MG/1250-DF — with plane shoulder; with 0.118" (3mm) recess



d_e inches mm	Tube B.W.G.	Tube sp inches	Tube sp mm	Tube d_i inches	Tube d_i mm	Expansion inches	Expansion mm	Tube expander Cod.	Rolls Cod.	Mandrel Cod.	⊠ inches mm
5/8" (15,8)	14	0.083	2,10	0.459	11,6	0.449 ÷ 0.509	11,4 ÷ 12,9	MG-1210	MR-4-A	MM-54	3/8" (9,5)
	15	0.072	1,82	0.481	12,2	0.471 ÷ 0.536	11,9 ÷ 13,6	MG-1212	MR-5-A	MM-55	
	16	0.065	1,65	0.495	12,5	0.485 ÷ 0.550	12,3 ÷ 13,9	MG-1214	MR-6-A		
	17	0.058	1,47	0.509	12,9	0.499 ÷ 0.564	12,6 ÷ 14,3	MG-1216	MR-6-A	MM-56	
	18	0.049	1,24	0.527	13,3	0.517 ÷ 0.582	13,1 ÷ 14,8	MG-1218	MR-7-A		
	19	0.042	1,06	0.541	13,7	0.531 ÷ 0.596	13,5 ÷ 15,1	MG-1220	MR-7-A	MM-58	
	20	0.035	0,88	0.555	14,1						
	21	0.032	0,81	0.561	14,2						
	22	0.028	0,71	0.569	14,4						

MG/1200 With 2.1/4" long rolls



d_e inches mm	Tube B.W.G.	Tube sp inches	Tube sp mm	Tube d_i inches	Tube d_i mm	Expansion inches	Expansion mm	Tube expander Cod.	Rolls Cod.	Mandrel Cod.	⊠ inches mm
3/4" (19,0)	10	0.134	3,40	0.482	12,2	0.471 ÷ 0.536	11,9 ÷ 13,6	MG-1212	MR-5-A	MM-55	3/8" (9,5)
	11	0.120	3,04	0.510	12,9	0.499 ÷ 0.564	12,6 ÷ 14,3	MG-1216	MR-6-A	MM-56	
	12	0.109	2,76	0.532	13,5	0.517 ÷ 0.582	13,1 ÷ 14,8	MG-1218	MR-7-A	MM-58	
	13	0.095	2,41	0.560	14,2	0.550 ÷ 0.615	13,9 ÷ 15,6	MG-1222	MR-8-A		
	14	0.083	2,10	0.584	14,8	0.574 ÷ 0.639	14,5 ÷ 16,2	MG-1224	MR-9-A		
	15	0.072	1,82	0.606	15,3	0.596 ÷ 0.661	15,1 ÷ 16,7	MG-1226	MR-10-A		
	16	0.065	1,65	0.620	15,7	0.605 ÷ 0.685	15,3 ÷ 17,4	MG-1228	MR-10-A	MM-59	
	17	0.058	1,47	0.634	16,1	0.619 ÷ 0.699	15,7 ÷ 17,7	MG-1230	MR-11-A		
	18	0.049	1,24	0.652	16,5						
	19	0.042	1,06	0.666	16,9	0.642 ÷ 0.722	16,3 ÷ 18,3	MG-1232	MR-12-A		
	20	0.035	0,88	0.680	17,2						
	21	0.032	0,81	0.686	17,4						
	22	0.028	0,71	0.694	17,6						
7/8" (22,2)	10	0.134	3,40	0.607	15,4	0.596 ÷ 0.661	15,1 ÷ 16,7	MG-1226	MR-10-A	MM-58	3/8" (9,5)
	11	0.120	3,04	0.635	16,1	0.619 ÷ 0.699	15,7 ÷ 17,7	MG-1230	MR-11-A	MM-59	
	12	0.109	2,76	0.657	16,6	0.642 ÷ 0.722	16,3 ÷ 18,3	MG-1232	MR-12-A		
	13	0.095	2,41	0.685	17,4	0.670 ÷ 0.750	17,0 ÷ 19,0	MG-1234	MR-13-A	MM-60	
	14	0.083	2,10	0.709	18,0	0.685 ÷ 0.774	17,4 ÷ 19,6	MG-1235	MR-14-A	MM-61	
	15	0.072	1,82	0.731	18,5	0.712 ÷ 0.801	18,0 ÷ 20,3	MG-1238	MR-15-A		
	16	0.065	1,65	0.745	18,9	0.726 ÷ 0.815	18,4 ÷ 20,7	MG-1240	MR-15-A	MM-62	
	17	0.058	1,47	0.759	19,2	0.740 ÷ 0.829	18,8 ÷ 21,0	MG-1244	MR-16-A		
	18	0.049	1,24	0.777	19,7						
1" (25,4)	8	0.165	4,19	0.670	17,0	0.665 ÷ 0.735	16,8 ÷ 18,6	MG-1242	MR-13-A	MM-59	3/8" (9,5)
	9	0.148	3,75	0.704	17,8	0.685 ÷ 0.774	17,4 ÷ 19,6	MG-1236	MR-14-A	MM-61	
	10	0.134	3,40	0.732	18,5	0.712 ÷ 0.801	18,0 ÷ 20,3	MG-1238	MR-15-A		
	11	0.120	3,04	0.760	19,3	0.740 ÷ 0.829	18,8 ÷ 21,0	MG-1244	MR-16-A		
	12	0.109	2,76	0.782	19,8	0.763 ÷ 0.852	19,3 ÷ 21,6	MG-1246	MR-17-A	MM-62	
	13	0.095	2,41	0.810	20,5	0.791 ÷ 0.880	20,0 ÷ 22,3	MG-1248	MR-18-A		
	14	0.083	2,10	0.834	21,1	0.810 ÷ 0.909	20,5 ÷ 23,0	MG-1250	MR-18-A		
	15	0.072	1,82	0.856	21,7	0.837 ÷ 0.936	21,2 ÷ 23,7	MG-1252	MR-19-A		
	16	0.065	1,65	0.870	22,1						
	17	0.058	1,47	0.884	22,4	0.865 ÷ 0.964	21,9 ÷ 24,4	MG-1256	MR-21-A	MM-63	
	18	0.049	1,24	0.902	22,9						
	19	0.042	1,06	0.916	23,2						
	20	0.035	0,88	0.930	23,6						

Tube						Expansion		Tube expander	Rolls	Mandrel	
d_e inches mm	sp B.W.G.	sp inches	sp mm	d_i inches	d_i mm	inches	mm	Cod.	Cod.	Cod.	☒ inches mm
1.1/8" (28,5)	8	0.165	4,19	0.795	20,1	0.776 ÷ 0.875	19,7 ÷ 22,2	MG-1254	MR-20-A	MM-63	3/8" (9,5)
	9	0.148	3,75	0.829	21,0	0.810 ÷ 0.909	20,5 ÷ 23,0	MG-1250	MR-18-A		
	10	0.134	3,40	0.857	21,7	0.837 ÷ 0.936	21,2 ÷ 23,7	MG-1252	MR-19-A		
	11	0.120	3,04	0.885	22,4	0.865 ÷ 0.964	21,9 ÷ 24,4	MG-1256	MR-21-A		
	12	0.109	2,76	0.907	23,0	0.883 ÷ 0.982	22,4 ÷ 24,9	MG-1258	MR-21-A	MM-64	1/2" (12,7)
	13	0.095	2,41	0.935	23,7	0.916 ÷ 1.015	23,2 ÷ 25,7	MG-1260	MR-22-A		
	14	0.083	2,10	0.959	24,3	0.935 ÷ 1.044	23,7 ÷ 26,4	MG-1262	MR-23-A	MM-65	
	15	0.072	1,82	0.981	24,9	0.962 ÷ 1.071	24,4 ÷ 27,2	MG-1264	MR-24-A		
	16	0.065	1,65	0.995	25,2						
	17	0.058	1,47	1.009	25,6	0.990 ÷ 1.099	25,1 ÷ 27,9	MG-1268	MR-26-A	MM-66	
	18	0.049	1,24	1.027	26,0						
1.1/4" (31,8)	8	0.165	4,19	0.920	23,3	0.901 ÷ 1.010	22,8 ÷ 25,6	MG-1266	MR-25-A	MM-65	1/2" (12,7)
	9	0.148	3,75	0.954	24,2	0.935 ÷ 1.044	23,7 ÷ 26,5	MG-1262	MR-23-A		
	10	0.134	3,40	0.982	24,8	0.962 ÷ 1.071	24,4 ÷ 27,2	MG-1264	MR-24-A		
	11	0.120	3,04	1.010	25,6	0.990 ÷ 1.099	25,1 ÷ 27,9	MG-1268	MR-26-A	MM-66	
	12	0.109	2,76	1.032	26,2	1.013 ÷ 1.122	25,7 ÷ 28,5	MG-1270	MR-27-A		
	13	0.095	2,41	1.060	26,9	1.041 ÷ 1.150	26,4 ÷ 29,2	MG-1272	MR-28-A	MM-67	
	14	0.083	2,10	1.084	27,5	1.060 ÷ 1.169	26,9 ÷ 29,6	MG-1274	MR-29-A		
	15	0.072	1,82	1.106	28,0	1.087 ÷ 1.196	27,6 ÷ 30,3	MG-1276	MR-30-A	MM-67	
	16	0.065	1,65	1.120	28,4						
	17	0.058	1,47	1.134	28,8	1.115 ÷ 1.224	28,3 ÷ 31,0	MG-1280	MR-30-A	MM-68	
	18	0.049	1,24	1.152	29,2						
1.3/8" (34,9)	8	0.165	4,19	1.045	26,5	1.026 ÷ 1.135	26,0 ÷ 28,8	MG-1278	MR-31-A	MM-67	1/2" (12,7)
	9	0.148	3,75	1.079	27,4	1.060 ÷ 1.169	26,9 ÷ 29,6	MG-1274	MR-29-A		
	10	0.134	3,40	1.107	28,1	1.087 ÷ 1.196	27,6 ÷ 30,3	MG-1276	MR-30-A		
	11	0.120	3,04	1.135	28,8	1.115 ÷ 1.224	28,3 ÷ 31,0	MG-1280	MR-30-A	MM-68	
	12	0.109	2,76	1.157	29,3	1.133 ÷ 1.242	28,7 ÷ 31,5	MG-1282	MR-32-A		
	13	0.095	2,41	1.185	30,1	1.160 ÷ 1.275	29,4 ÷ 32,3	MG-1284	MR-33-A	MM-69	
	14	0.083	2,10	1.209	30,7	1.179 ÷ 1.294	29,9 ÷ 32,8	MG-1286	MR-34-A	MM-70	
	15	0.072	1,82	1.231	31,2	1.206 ÷ 1.321	30,6 ÷ 33,5	MG-1288	MR-35-A		
	16	0.065	1,65	1.245	31,6						
1.1/2" (38,1)	8	0.165	4,19	1.170	29,7	1.145 ÷ 1.260	29,0 ÷ 32,0	MG-1290	MR-34-A	MM-69	1/2" (12,7)
	9	0.148	3,75	1.204	30,5	1.179 ÷ 1.294	29,9 ÷ 32,8	MG-1286	MR-34-A	MM-70	
	10	0.134	3,40	1.232	31,2	1.206 ÷ 1.321	30,6 ÷ 35,5	MG-1288	MR-35-A		
	11	0.120	3,04	1.260	32,0	1.235 ÷ 1.350	31,3 ÷ 34,2	MG-1292	MR-36-A		
	12	0.109	2,76	1.282	32,5	1.257 ÷ 1.372	31,9 ÷ 34,8	MG-1294	MR-37-A		
	13	0.095	2,41	1.310	33,2	1.285 ÷ 1.400	32,6 ÷ 35,5	MG-1296	MR-37-A	MM-71	
	14	0.083	2,11	1.334	33,9						
	15	0.072	1,82	1.356	34,4	1.331 ÷ 1.446	33,8 ÷ 36,7	MG-1298	MR-38-A		
	16	0.065	1,65	1.370	34,8						
	17	0.058	1,47	1.384	35,1	1.331 ÷ 1.472	33,8 ÷ 37,3	MG-1300	MR-38-A	MM-72	
	18	0.049	1,24	1.402	35,6						
	19	0.042	1,06	1.416	35,9						
	20	0.035	0,88	1.430	36,3						