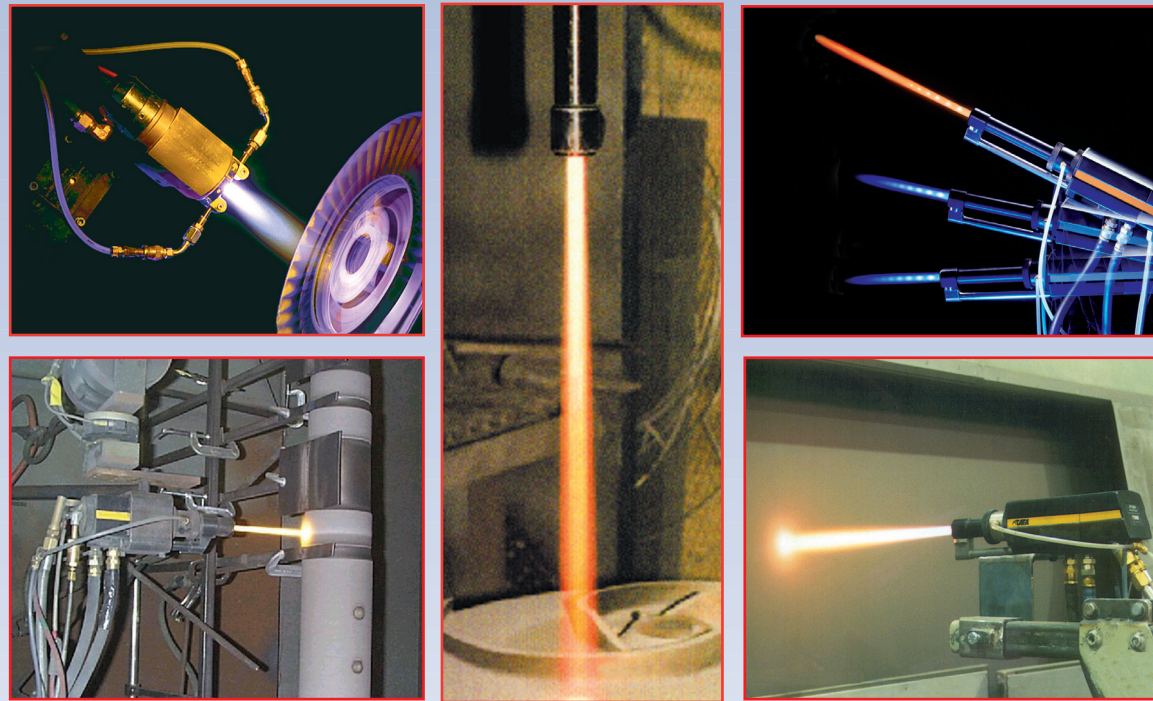


**Thermal Sprayed Surface Coatings:
Technical Specifications and Applications**

Bender's flame-sprayed coatings protect against wear from abrasion, adhesives, erosion, fretting, surface fatigue, scuffing cavitation and hard surfaces and molten metals, as well as against salt water corrosion, corrosive gases, and sustained high temperatures and heat oxidation.

Our coatings impart electrical conductivity, thermal conductivity, radio frequency shielding, thermal insulation, dielectric strength, low coefficient friction, surface lubrication and spark-free surfaces.

Call your Bender Technical Rep for information. Get started on a program to protect your high-wear components, boost output and machine performance and control maintenance costs with Bender thermal spray coatings.



BRINELL HB 10mm Ball 3000 kg Load	DIAMOND PYRAMID HV Vickers	ROCKWELL C HRC 120 kg diamond cone	ROCKWELL B HRB 1.6mm Ball 100 kg Load
899	---	---	---
856	---	---	---
817	---	---	---
780	1150	70	---
745	1050	68	---
712	960	66	---
682	885	64	---
653	820	62	---
627	765	60	---
601	717	58	---
578	675	57	---
555	633	55	120
534	598	53	119
514	567	52	119
495	540	50	117
477	515	49	117
461	494	47	116
444	472	46	115
429	454	45	115
415	437	44	114
401	420	42	113
388	404	41	112
375	389	40	112
363	375	38	110
352	363	37	110
341	350	36	109
331	339	35	109
321	327	34	108
311	316	33	108
302	305	32	107
293	296	31	106
285	287	30	105
277	279	29	104
269	270	28	104
262	263	26	103
255	256	25	102
248	248	24	102
241	241	23	100
235	235	22	99
229	229	21	98
223	223	20	97
217	217	18	96
212	212	17	96
207	207	16	95
201	202	15	94
197	197	13	93
192	192	12	92
187	187	10	91
183	183	9	90
179	179	8	89
174	174	7	88
170	170	6	87
167	166	4	86
163	163	3	85
159	159	2	84
156	156	1	83
152	153	0	82
149	149	-1	81
146	146	-2	80
143	143	-3	79
140	140	-4	78
137	137	-6	77
134	134	-7	76
131	131	-9	74
128	128	-11	73
126	126	-12	72
123	124	-14	71
121	121	-16	70
118	118	-17	69
116	116	-19	68
114	114	-20	67
111	112	---	66
109	109	---	65
107	107	---	64
105	105	---	62
103	103	---	61
101	101	---	60
99.2	99	---	59
97.3	97	---	57
95.5	95	---	56

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