



**SOLID
CARBIDE**



ENDMILLS



For mold & die

Stellix Endmill

- » Stellix Endmill is available for a wide cutting range: roughing, medium cutting and finishing of molds and dies, and for various cutting methods of curved and inclined surfaces, special shapes, etc.
- » High toughness substrate actualizes chipping resistance and hardness in machining
- » The new coating technology ensures oxidation resistance and high cutting edge strength

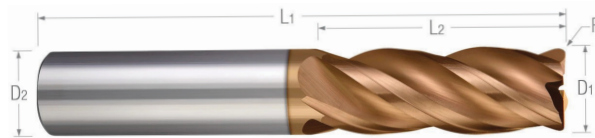
Stellix Endmill

Stellix Endmill is suitable for machining medium hardness workpieces (HRC30~55) made of alloy steel, carbon steel, die steel, etc.

Full line-up available with various shapes like miniature type, taper neck, ball type, etc.

STELLIX

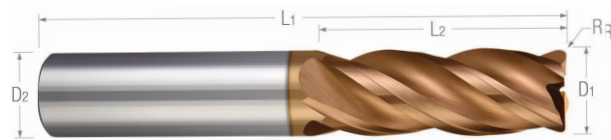
For General Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
1	STELLIX	4UPEM-0100-050-4	1.00	4.0	3.0	50	4
2	STELLIX	4UPEM-0150-050-4	1.50	4.0	4.5	50	4
3	STELLIX	4UPEM-0200-050-4	2.00	4.0	6.0	50	4
4	STELLIX	4UPEM-0250-050-4	2.50	4.0	7.5	50	4
5	STELLIX	4UPEM-0300-050-4	3.00	4.0	9.0	50	4
6	STELLIX	4UPEM-0300-050-3	3.00	3.0	9.0	50	4
7	STELLIX	4UPEM-0300-075-3	3.00	3.0	12.0	75	4
8	STELLIX	4UPEM-0300-100-3	3.00	3.0	15.0	100	4
9	STELLIX	4UPEM-0350-050-4	3.50	4.0	10.0	50	4
10	STELLIX	4UPEM-0400-050-4	4.00	4.0	12.0	50	4
11	STELLIX	4UPEM-0400-075-4	4.00	4.0	16.0	75	4
12	STELLIX	4UPEM-0400-100-4	4.00	4.0	20.0	100	4
13	STELLIX	4UPEM-0600-050-6	6.00	6.0	15.0	50	4
14	STELLIX	4UPEM-0500-050-5	5.00	5.0	15.0	50	4
15	STELLIX	4UPEM-0500-075-5	5.00	5.0	20.0	75	4
16	STELLIX	4UPEM-0500-100-5	5.00	5.0	25.0	100	4
17	STELLIX	4UPEM-0500-075-6	5.00	6.0	20.0	75	4
18	STELLIX	4UPEM-0500-100-6	5.00	6.0	20.0	100	4
19	STELLIX	4UPEM-0600-050-6	6.00	6.0	18.0	50	4
20	STELLIX	4UPEM-0600-075-6	6.00	6.0	24.0	75	4
21	STELLIX	4UPEM-0600-100-6	6.00	6.0	30.0	100	4
22	STELLIX	4UPEM-0800-060-8	8.00	8.0	24.0	60	4
23	STELLIX	4UPEM-0800-075-8	8.00	8.0	30.0	75	4
24	STELLIX	4UPEM-0800-100-8	8.00	8.0	35.0	100	4
25	STELLIX	4UPEM-1000-075-10	10.00	10.0	30.0	75	4

STELLIX

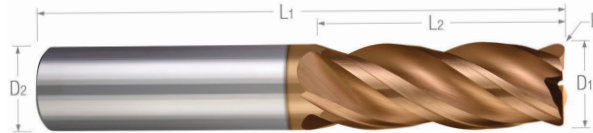
For General Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
26	STELLIX	4UPEM-1000-100-10	10.00	10.0	40.0	100	4
27	STELLIX	4UPEM-1200-075-12	12.00	12.0	35.0	75	4
28	STELLIX	4UPEM-1200-100-12	12.00	12.0	45.0	100	4
29	STELLIX	4UPEM-1400-100-14	14.00	14.0	45.0	100	4
30	STELLIX	4UPEM-1600-100-16	16.00	16.0	45.0	100	4
31	STELLIX	4UPEM-1800-100-18	18.00	18.0	45.0	100	4
32	STELLIX	4UPEM-2000-100-20	20.00	20.0	45.0	100	4
33	STELLIX	4UPEM-0600-150-6	6.00	6.0	45.0	150	4
34	STELLIX	4UPEM-0800-150-8	8.00	8.0	50.0	150	4
35	STELLIX	4UPEM-1000-150-10	10.00	10.0	60.0	150	4
36	STELLIX	4UPEM-1200-150-12	12.00	12.0	60.0	150	4
37	STELLIX	4UPEM-1400-150-14	14.00	14.0	70.0	150	4
38	STELLIX	4UPEM-1600-150-16	16.00	16.0	75.0	150	4
39	STELLIX	4UPEM-1800-150-18	18.00	18.0	75.0	150	4
40	STELLIX	4UPEM-2000-150-20	20.00	20.0	75.0	150	4
41	STELLIX-BN	2UPBN-0100-050-4	1.00	4.0	3.0	50	4
42	STELLIX-BN	2UPBN-0150-050-4	1.50	4.0	4.5	50	4
43	STELLIX-BN	2UPBN-0200-050-4	2.00	4.0	6.0	50	4
44	STELLIX-BN	2UPBN-0250-050-4	2.50	4.0	7.5	50	4
45	STELLIX-BN	2UPBN-0300-050-4	3.00	4.0	9.0	50	4
46	STELLIX-BN	2UPBN-0300-050-3	3.00	3.0	9.0	50	4
47	STELLIX-BN	2UPBN-0300-075-3	3.00	3.0	12.0	75	4
48	STELLIX-BN	2UPBN-0300-100-3	3.00	3.0	15.0	100	4
49	STELLIX-BN	2UPBN-0350-050-4	3.50	4.0	10.0	50	4
50	STELLIX-BN	2UPBN-0400-050-4	4.00	4.0	12.0	50	4

STELLIX

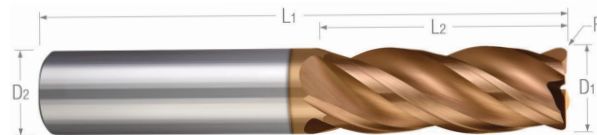
For General Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
51	STELLIX-BN	2UPBN-0400-075-4	4.00	4.0	16.0	75	4
52	STELLIX-BN	2UPBN-0400-100-4	4.00	4.0	20.0	100	4
53	STELLIX-BN	2UPBN-0600-050-6	6.00	6.0	15.0	50	4
54	STELLIX-BN	2UPBN-0500-050-5	5.00	5.0	15.0	50	4
55	STELLIX-BN	2UPBN-0500-075-5	5.00	5.0	20.0	75	4
56	STELLIX-BN	2UPBN-0500-100-5	5.00	5.0	25.0	100	4
57	STELLIX-BN	2UPBN-0500-075-6	5.00	6.0	20.0	75	4
58	STELLIX-BN	2UPBN-0500-100-6	5.00	6.0	20.0	100	4
59	STELLIX-BN	2UPBN-0600-050-6	6.00	6.0	18.0	50	4
60	STELLIX-BN	2UPBN-0600-075-6	6.00	6.0	24.0	75	4
61	STELLIX-BN	2UPBN-0600-100-6	6.00	6.0	30.0	100	4
62	STELLIX-BN	2UPBN-0800-060-8	8.00	8.0	24.0	60	4
63	STELLIX-BN	2UPBN-0800-075-8	8.00	8.0	30.0	75	4
64	STELLIX-BN	2UPBN-0800-100-8	8.00	8.0	35.0	100	4
65	STELLIX-BN	2UPBN-1000-075-10	10.00	10.0	30.0	75	4
66	STELLIX-BN	2UPBN-1000-100-10	10.00	10.0	40.0	100	4
67	STELLIX-BN	2UPBN-1200-075-12	12.00	12.0	35.0	75	4
68	STELLIX-BN	2UPBN-1200-100-12	12.00	12.0	45.0	100	4
69	STELLIX-BN	2UPBN-1400-100-14	14.00	14.0	45.0	100	4
70	STELLIX-BN	2UPBN-1600-100-16	16.00	16.0	45.0	100	4
71	STELLIX-BN	2UPBN-1800-100-18	18.00	18.0	45.0	100	4
72	STELLIX-BN	2UPBN-2000-100-20	20.00	20.0	45.0	100	4
73	STELLIX-BN	2UPBN-0600-150-6	6.00	6.0	45.0	150	4
74	STELLIX-BN	2UPBN-0800-150-8	8.00	8.0	50.0	150	4
75	STELLIX-BN	2UPBN-1000-150-10	10.00	10.0	60.0	150	4

STELLIX

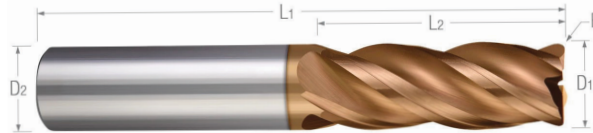
For General Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
76	STELLIX-BN	2UPBN-1200-150-12	12.00	12.0	60.0	150	4
77	STELLIX-BN	2UPBN-1400-150-14	14.00	14.0	70.0	150	4
78	STELLIX-BN	2UPBN-1600-150-16	16.00	16.0	75.0	150	4
79	STELLIX-BN	2UPBN-1800-150-18	18.00	18.0	75.0	150	4
80	STELLIX-BN	2UPBN-2000-150-20	20.00	20.0	75.0	150	4
81	STELLIX-R	4UPEM-0100-050-4-R	1.00	4.0	3.0	50	4
82	STELLIX-R	4UPEM-0150-050-4-R	1.50	4.0	4.5	50	4
83	STELLIX-R	4UPEM-0200-050-4-R	2.00	4.0	6.0	50	4
84	STELLIX-R	4UPEM-0250-050-4-R	2.50	4.0	7.5	50	4
85	STELLIX-R	4UPEM-0300-050-4-R	3.00	4.0	9.0	50	4
86	STELLIX-R	4UPEM-0300-050-3-R	3.00	3.0	9.0	50	4
87	STELLIX-R	4UPEM-0300-075-3-R	3.00	3.0	12.0	75	4
88	STELLIX-R	4UPEM-0300-100-3-R	3.00	3.0	15.0	100	4
89	STELLIX-R	4UPEM-0350-050-4-R	3.50	4.0	10.0	50	4
90	STELLIX-R	4UPEM-0400-050-4-R	4.00	4.0	12.0	50	4
91	STELLIX-R	4UPEM-0400-075-4-R	4.00	4.0	16.0	75	4
92	STELLIX-R	4UPEM-0400-100-4-R	4.00	4.0	20.0	100	4
93	STELLIX-R	4UPEM-0600-050-6-R	6.00	6.0	15.0	50	4
94	STELLIX-R	4UPEM-0500-050-5-R	5.00	5.0	15.0	50	4
95	STELLIX-R	4UPEM-0500-075-5-R	5.00	5.0	20.0	75	4
96	STELLIX-R	4UPEM-0500-100-5-R	5.00	5.0	25.0	100	4
97	STELLIX-R	4UPEM-0500-075-6-R	5.00	6.0	20.0	75	4
98	STELLIX-R	4UPEM-0500-100-6-R	5.00	6.0	20.0	100	4
99	STELLIX-R	4UPEM-0600-050-6-R	6.00	6.0	18.0	50	4
100	STELLIX-R	4UPEM-0600-075-6-R	6.00	6.0	24.0	75	4

STELLIX

For General Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
101	STELLIX-R	4UPEM-0600-100-6-R	6.00	6.0	30.0	100	4
102	STELLIX-R	4UPEM-0800-060-8-R	8.00	8.0	24.0	60	4
103	STELLIX-R	4UPEM-0800-075-8-R	8.00	8.0	30.0	75	4
104	STELLIX-R	4UPEM-0800-100-8-R	8.00	8.0	35.0	100	4
105	STELLIX-R	4UPEM-1000-075-10-R	10.00	10.0	30.0	75	4
106	STELLIX-R	4UPEM-1000-100-10-R	10.00	10.0	40.0	100	4
107	STELLIX-R	4UPEM-1200-075-12-R	12.00	12.0	35.0	75	4
108	STELLIX-R	4UPEM-1200-100-12-R	12.00	12.0	45.0	100	4
109	STELLIX-R	4UPEM-1400-100-14-R	14.00	14.0	45.0	100	4
110	STELLIX-R	4UPEM-1600-100-16-R	16.00	16.0	45.0	100	4
111	STELLIX-R	4UPEM-1800-100-18-R	18.00	18.0	45.0	100	4
112	STELLIX-R	4UPEM-2000-100-20-R	20.00	20.0	45.0	100	4
113	STELLIX-R	4UPEM-0600-150-6-R	6.00	6.0	45.0	150	4
114	STELLIX-R	4UPEM-0800-150-8-R	8.00	8.0	50.0	150	4
115	STELLIX-R	4UPEM-1000-150-10-R	10.00	10.0	60.0	150	4
116	STELLIX-R	4UPEM-1200-150-12-R	12.00	12.0	60.0	150	4
117	STELLIX-R	4UPEM-1400-150-14-R	14.00	14.0	70.0	150	4
118	STELLIX-R	4UPEM-1600-150-16-R	16.00	16.0	75.0	150	4
119	STELLIX-R	4UPEM-1800-150-18-R	18.00	18.0	75.0	150	4
120	STELLIX-R	4UPEM-2000-150-20-R	20.00	20.0	75.0	150	4



Stynox Endmill

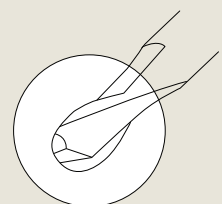
Optimal machinability in stainless steel machining
(Available for steel, alloy steel and hardening steel machining)

Strong cutting edge ensures long tool life

Endmill for stainless steel machining

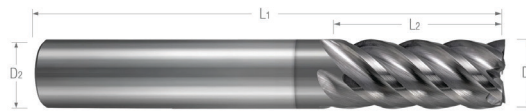
Stynox Endmill

- » Special coating with high oxidation resistance
- » High rake angle and streamlined chip pocket
- » Special cutting edge prevents hardening of tools



STYNOX

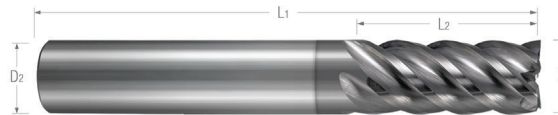
For Stainless Steel Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	z
1	STYNOX	4UMEM-0100-050-4	1.00	4.0	3.0	50	4
2	STYNOX	4UMEM-0150-050-4	1.50	4.0	4.5	50	4
3	STYNOX	4UMEM-0200-050-4	2.00	4.0	6.0	50	4
4	STYNOX	4UMEM-0250-050-4	2.50	4.0	7.5	50	4
5	STYNOX	4UMEM-0300-050-4	3.00	4.0	9.0	50	4
6	STYNOX	4UMEM-0300-050-3	3.00	3.0	9.0	50	4
7	STYNOX	4UMEM-0300-075-3	3.00	3.0	12.0	75	4
8	STYNOX	4UMEM-0300-100-3	3.00	3.0	15.0	100	4
9	STYNOX	4UMEM-0350-050-4	3.50	4.0	10.0	50	4
10	STYNOX	4UMEM-0400-050-4	4.00	4.0	10.0	50	4
11	STYNOX	4UMEM-0400-075-4	4.00	4.0	16.0	75	4
12	STYNOX	4UMEM-0400-100-4	4.00	4.0	20.0	100	4
13	STYNOX	4UMEM-0600-050-6	6.00	6.0	13.0	50	4
14	STYNOX	4UMEM-0500-050-5	5.00	5.0	13.0	50	4
15	STYNOX	4UMEM-0500-075-5	5.00	5.0	20.0	75	4
16	STYNOX	4UMEM-0500-100-5	5.00	5.0	25.0	100	4
17	STYNOX	4UMEM-0600-050-6	6.00	6.0	15.0	50	4
18	STYNOX	4UMEM-0600-075-6	6.00	6.0	24.0	75	4
19	STYNOX	4UMEM-0600-100-6	6.00	6.0	30.0	100	4
20	STYNOX	4UMEM-0800-060-8	8.00	8.0	20.0	60	4
21	STYNOX	4UMEM-0800-075-8	8.00	8.0	30.0	75	4
22	STYNOX	4UMEM-0800-100-8	8.00	8.0	35.0	100	4
23	STYNOX	4UMEM-1000-075-10	10.00	10.0	25.0	75	4

STYNOX

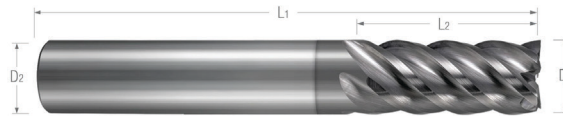
For Stainless Steel Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
24	STYNOX	4UMEM-1000-100-10	10.00	10.0	40.0	100	4
25	STYNOX	4UMEM-1200-075-12	12.00	12.0	30.0	75	4
26	STYNOX	4UMEM-1200-100-12	12.00	12.0	45.0	100	4
27	STYNOX	4UMEM-1400-100-14	14.00	14.0	45.0	100	4
28	STYNOX	4UMEM-1600-100-16	16.00	16.0	45.0	100	4
29	STYNOX	4UMEM-1800-100-18	18.00	18.0	45.0	100	4
30	STYNOX	4UMEM-2000-100-20	20.00	20.0	45.0	100	4
31	STYNOX	4UMEM-0600-150-6	6.00	6.0	45.0	150	4
32	STYNOX	4UMEM-0800-150-8	8.00	8.0	50.0	150	4
33	STYNOX	4UMEM-1000-150-10	10.00	10.0	60.0	150	4
34	STYNOX	4UMEM-1200-150-12	12.00	12.0	60.0	150	4
35	STYNOX	4UMEM-1400-150-14	14.00	14.0	70.0	150	4
36	STYNOX	4UMEM-1600-150-16	16.00	16.0	75.0	150	4
37	STYNOX	4UMEM-1800-150-18	18.00	18.0	75.0	150	4
38	STYNOX	4UMEM-2000-150-20	20.00	20.0	75.0	150	4
39	STYNOX-R	4UMEM-0100-050-4-R	1.00	4.0	3.0	50	4
40	STYNOX-R	4UMEM-0150-050-4-R	1.50	4.0	4.5	50	4
41	STYNOX-R	4UMEM-0200-050-4-R	2.00	4.0	6.0	50	4
42	STYNOX-R	4UMEM-0250-050-4-R	2.50	4.0	7.5	50	4
43	STYNOX-R	4UMEM-0300-050-4-R	3.00	4.0	9.0	50	4
44	STYNOX-R	4UMEM-0300-050-3-R	3.00	3.0	9.0	50	4
45	STYNOX-R	4UMEM-0300-075-3-R	3.00	3.0	12.0	75	4
46	STYNOX-R	4UMEM-0300-100-3-R	3.00	3.0	15.0	100	4

STYNOX

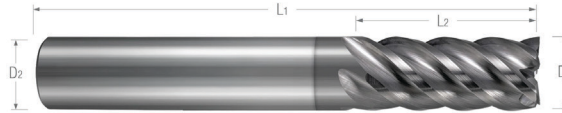
For Stainless Steel Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
47	STYNOX-R	4UMEM-0350-050-4-R	3.50	4.0	10.0	50	4
48	STYNOX-R	4UMEM-0400-050-4-R	4.00	4.0	10.0	50	4
49	STYNOX-R	4UMEM-0400-075-4-R	4.00	4.0	16.0	75	4
50	STYNOX-R	4UMEM-0400-100-4-R	4.00	4.0	20.0	100	4
51	STYNOX-R	4UMEM-0600-050-6-R	6.00	6.0	13.0	50	4
52	STYNOX-R	4UMEM-0500-050-5-R	5.00	5.0	13.0	50	4
53	STYNOX-R	4UMEM-0500-075-5-R	5.00	5.0	20.0	75	4
54	STYNOX-R	4UMEM-0500-100-5-R	5.00	5.0	25.0	100	4
55	STYNOX-R	4UMEM-0600-050-6-R	6.00	6.0	15.0	50	4
56	STYNOX-R	4UMEM-0600-075-6-R	6.00	6.0	24.0	75	4
57	STYNOX-R	4UMEM-0600-100-6-R	6.00	6.0	30.0	100	4
58	STYNOX-R	4UMEM-0800-060-8-R	8.00	8.0	20.0	60	4
59	STYNOX-R	4UMEM-0800-075-8-R	8.00	8.0	30.0	75	4
60	STYNOX-R	4UMEM-0800-100-8-R	8.00	8.0	35.0	100	4
61	STYNOX-R	4UMEM-1000-075-10-R	10.00	10.0	25.0	75	4
62	STYNOX-R	4UMEM-1000-100-10-R	10.00	10.0	40.0	100	4
63	STYNOX-R	4UMEM-1200-075-12-R	12.00	12.0	30.0	75	4
64	STYNOX-R	4UMEM-1200-100-12-R	12.00	12.0	45.0	100	4
65	STYNOX-R	4UMEM-1400-100-14-R	14.00	14.0	45.0	100	4
66	STYNOX-R	4UMEM-1600-100-16-R	16.00	16.0	45.0	100	4
67	STYNOX-R	4UMEM-1800-100-18-R	18.00	18.0	45.0	100	4
68	STYNOX-R	4UMEM-2000-100-20-R	20.00	20.0	45.0	100	4
69	STYNOX-R	4UMEM-0600-150-6-R	6.00	6.0	45.0	150	4

STYNOX

For Stainless Steel Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
70	STYNOX-R	4UMEM-0800-150-8-R	8.00	8.0	50.0	150	4
71	STYNOX-R	4UMEM-1000-150-10-R	10.00	10.0	60.0	150	4
72	STYNOX-R	4UMEM-1200-150-12-R	12.00	12.0	60.0	150	4
73	STYNOX-R	4UMEM-1400-150-14-R	14.00	14.0	70.0	150	4
74	STYNOX-R	4UMEM-1600-150-16-R	16.00	16.0	75.0	150	4
75	STYNOX-R	4UMEM-1800-150-18-R	18.00	18.0	75.0	150	4
76	STYNOX-R	4UMEM-2000-150-20-R	20.00	20.0	75.0	150	4



For high hardness

Duron Endmill

- » Ultra-fine substrate increases cutting edge strength of tools
- » The new coating layer applied provides hardness and a high temperature oxidation resistance of cutting edge in high speed machining
- » Optimally designed cutting edge for high speed machining ensures stable machinability

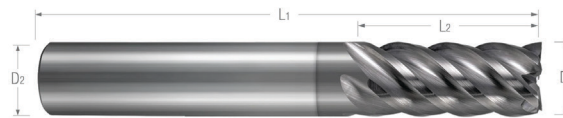
Duron Endmill

Suitable for high speed machining of hardened workpieces

The line-up of long neck, rib, taper neck, etc. is available for using in machining with various shapes

DURON

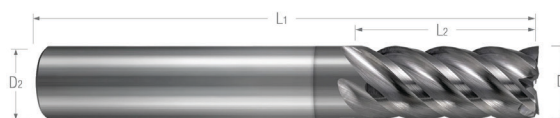
For Stainless & Hardened Alloys



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
1	DURON	4UHEM-0100-050-4	1.00	4.0	3.0	50	4
2	DURON	4UHEM-0150-050-4	1.50	4.0	4.5	50	4
3	DURON	4UHEM-0200-050-4	2.00	4.0	6.0	50	4
4	DURON	4UHEM-0250-050-4	2.50	4.0	7.5	50	4
5	DURON	4UHEM-0300-050-4	3.00	4.0	9.0	50	4
6	DURON	4UHEM-0300-050-3	3.00	3.0	9.0	50	4
7	DURON	4UHEM-0300-075-3	3.00	3.0	12.0	75	4
8	DURON	4UHEM-0300-100-3	3.00	3.0	15.0	100	4
9	DURON	4UHEM-0350-050-4	3.50	4.0	10.0	50	4
10	DURON	4UHEM-0400-050-4	4.00	4.0	10.0	50	4
11	DURON	4UHEM-0400-075-4	4.00	4.0	16.0	75	4
12	DURON	4UHEM-0400-100-4	4.00	4.0	20.0	100	4
13	DURON	4UHEM-0600-050-6	6.00	6.0	13.0	50	4
14	DURON	4UHEM-0500-050-5	5.00	5.0	13.0	50	4
15	DURON	4UHEM-0500-075-5	5.00	5.0	20.0	75	4
16	DURON	4UHEM-0500-100-5	5.00	5.0	25.0	100	4
17	DURON	4UHEM-0600-050-6	6.00	6.0	15.0	50	4
18	DURON	4UHEM-0600-075-6	6.00	6.0	24.0	75	4
19	DURON	4UHEM-0600-100-6	6.00	6.0	30.0	100	4
20	DURON	4UHEM-0800-060-8	8.00	8.0	20.0	60	4
21	DURON	4UHEM-0800-075-8	8.00	8.0	30.0	75	4
22	DURON	4UHEM-0800-100-8	8.00	8.0	35.0	100	4
23	DURON	4UHEM-1000-075-10	10.00	10.0	25.0	75	4

DURON

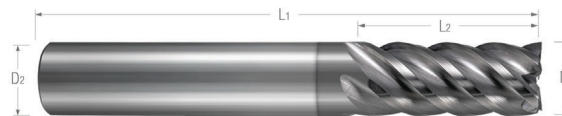
For Stainless & Hardened Alloys



24	DURON	4UHEM-1000-100-10	10.00	10.0	40.0	100	4
25	DURON	4UHEM-1200-075-12	12.00	12.0	30.0	75	4
26	DURON	4UHEM-1200-100-12	12.00	12.0	45.0	100	4
27	DURON	4UHEM-1400-100-14	14.00	14.0	45.0	100	4
28	DURON	4UHEM-1600-100-16	16.00	16.0	45.0	100	4
29	DURON	4UHEM-1800-100-18	18.00	18.0	45.0	100	4
30	DURON	4UHEM-2000-100-20	20.00	20.0	45.0	100	4
31	DURON	4UHEM-0600-150-6	6.00	6.0	45.0	150	4
32	DURON	4UHEM-0800-150-8	8.00	8.0	50.0	150	4
33	DURON	4UHEM-1000-150-10	10.00	10.0	60.0	150	4
34	DURON	4UHEM-1200-150-12	12.00	12.0	60.0	150	4
35	DURON	4UHEM-1400-150-14	14.00	14.0	70.0	150	4
36	DURON	4UHEM-1600-150-16	16.00	16.0	75.0	150	4
37	DURON	4UHEM-1800-150-18	18.00	18.0	75.0	150	4
38	DURON	4UHEM-2000-150-20	20.00	20.0	75.0	150	4
39	DURON-R	4UHEM-0100-050-4-R	1.00	4.0	3.0	50	4
40	DURON-R	4UHEM-0150-050-4-R	1.50	4.0	4.5	50	4
41	DURON-R	4UHEM-0200-050-4-R	2.00	4.0	6.0	50	4
42	DURON-R	4UHEM-0250-050-4-R	2.50	4.0	7.5	50	4
43	DURON-R	4UHEM-0300-050-4-R	3.00	4.0	9.0	50	4
44	DURON-R	4UHEM-0300-050-3-R	3.00	3.0	9.0	50	4
45	DURON-R	4UHEM-0300-075-3-R	3.00	3.0	12.0	75	4
46	DURON-R	4UHEM-0300-100-3-R	3.00	3.0	15.0	100	4

DURON

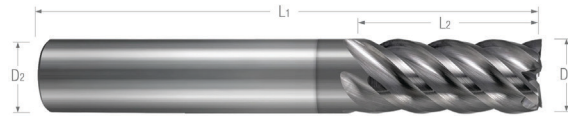
For Stainless & Hardened Alloys



47	DURON-R	4UHEM-0350-050-4-R	3.50	4.0	10.0	50	4
48	DURON-R	4UHEM-0400-050-4-R	4.00	4.0	10.0	50	4
49	DURON-R	4UHEM-0400-075-4-R	4.00	4.0	16.0	75	4
50	DURON-R	4UHEM-0400-100-4-R	4.00	4.0	20.0	100	4
51	DURON-R	4UHEM-0600-050-6-R	6.00	6.0	13.0	50	4
52	DURON-R	4UHEM-0500-050-5-R	5.00	5.0	13.0	50	4
53	DURON-R	4UHEM-0500-075-5-R	5.00	5.0	20.0	75	4
54	DURON-R	4UHEM-0500-100-5-R	5.00	5.0	25.0	100	4
55	DURON-R	4UHEM-0600-050-6-R	6.00	6.0	15.0	50	4
56	DURON-R	4UHEM-0600-075-6-R	6.00	6.0	24.0	75	4
57	DURON-R	4UHEM-0600-100-6-R	6.00	6.0	30.0	100	4
58	DURON-R	4UHEM-0800-060-8-R	8.00	8.0	20.0	60	4
59	DURON-R	4UHEM-0800-075-8-R	8.00	8.0	30.0	75	4
60	DURON-R	4UHEM-0800-100-8-R	8.00	8.0	35.0	100	4
61	DURON-R	4UHEM-1000-075-10-R	10.00	10.0	25.0	75	4
62	DURON-R	4UHEM-1000-100-10-R	10.00	10.0	40.0	100	4
63	DURON-R	4UHEM-1200-075-12-R	12.00	12.0	30.0	75	4
64	DURON-R	4UHEM-1200-100-12-R	12.00	12.0	45.0	100	4
65	DURON-R	4UHEM-1400-100-14-R	14.00	14.0	45.0	100	4
66	DURON-R	4UHEM-1600-100-16-R	16.00	16.0	45.0	100	4
67	DURON-R	4UHEM-1800-100-18-R	18.00	18.0	45.0	100	4
68	DURON-R	4UHEM-2000-100-20-R	20.00	20.0	45.0	100	4
69	DURON-R	4UHEM-0600-150-6-R	6.00	6.0	45.0	150	4
70	DURON-R	4UHEM-0800-150-8-R	8.00	8.0	50.0	150	4

DURON

For Stainless & Hardened Alloys



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
71	DURON-R	4UHEM-1000-150-10-R	10.00	10.0	60.0	150	4
72	DURON-R	4UHEM-1200-150-12-R	12.00	12.0	60.0	150	4
73	DURON-R	4UHEM-1400-150-14-R	14.00	14.0	70.0	150	4
74	DURON-R	4UHEM-1600-150-16-R	16.00	16.0	75.0	150	4
75	DURON-R	4UHEM-1800-150-18-R	18.00	18.0	75.0	150	4
76	DURON-R	4UHEM-2000-150-20-R	20.00	20.0	75.0	150	4

ALUENDMILLS

Aluminium end mill RF 100 A WF

Aluminium end mill RF 100 A



short chips thanks
to innovative
roughing geometry

optimal surface finish
and low-vibration milling
thanks to nano-polished
cutting edges with
micro guide chamfers

larger flutes for
optimal chip evacuation

roughing geometry reduces
the cutting pressure in
comparison to smooth
cutting milling cutters

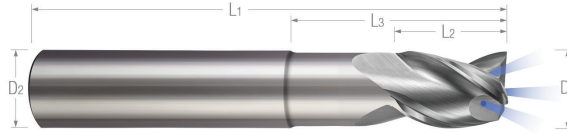


For all aluminium cutters a symmetrical
face geometry with increased chip space
is standard, therefore ideal even for
plunging operations.



ALURA

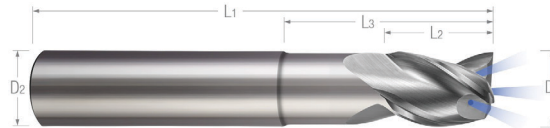
For Aluminum Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
1	ALURA	4UAEM-0100-050-4	1.00	4.0	3.0	50	4
2	ALURA	4UAEM-0150-050-4	1.50	4.0	4.5	50	4
3	ALURA	4UAEM-0200-050-4	2.00	4.0	6.0	50	4
4	ALURA	4UAEM-0250-050-4	2.50	4.0	7.5	50	4
5	ALURA	4UAEM-0300-050-4	3.00	4.0	9.0	50	4
6	ALURA	4UAEM-0300-050-3	3.00	3.0	9.0	50	4
7	ALURA	4UAEM-0300-075-3	3.00	3.0	12.0	75	4
8	ALURA	4UAEM-0300-100-3	3.00	3.0	15.0	100	4
9	ALURA	4UAEM-0350-050-4	3.50	4.0	10.0	50	4
10	ALURA	4UAEM-0400-050-4	4.00	4.0	12.0	50	4
11	ALURA	4UAEM-0400-075-4	4.00	4.0	16.0	75	4
12	ALURA	4UAEM-0400-100-4	4.00	4.0	20.0	100	4
13	ALURA	4UAEM-0600-050-6	6.00	6.0	15.0	50	4
14	ALURA	4UAEM-0500-050-5	5.00	5.0	15.0	50	4
15	ALURA	4UAEM-0500-075-5	5.00	5.0	20.0	75	4
16	ALURA	4UAEM-0500-100-5	5.00	5.0	25.0	100	4
17	ALURA	4UAEM-0500-075-6	5.00	6.0	20.0	75	4
18	ALURA	4UAEM-0500-100-6	5.00	6.0	20.0	100	4
19	ALURA	4UAEM-0600-050-6	6.00	6.0	18.0	50	4
20	ALURA	4UAEM-0600-075-6	6.00	6.0	24.0	75	4
21	ALURA	4UAEM-0600-100-6	6.00	6.0	30.0	100	4
22	ALURA	4UAEM-0800-060-8	8.00	8.0	24.0	60	4
23	ALURA	4UAEM-0800-075-8	8.00	8.0	30.0	75	4

ALURA

For Aluminum Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
24	ALURA	4UAEM-0800-100-8	8.00	8.0	35.0	100	4
25	ALURA	4UAEM-1000-075-10	10.00	10.0	30.0	75	4
26	ALURA	4UAEM-1000-100-10	10.00	10.0	40.0	100	4
27	ALURA	4UAEM-1200-075-12	12.00	12.0	35.0	75	4
28	ALURA	4UAEM-1200-100-12	12.00	12.0	45.0	100	4
29	ALURA	4UAEM-1400-100-14	14.00	14.0	45.0	100	4
30	ALURA	4UAEM-1600-100-16	16.00	16.0	45.0	100	4
31	ALURA	4UAEM-1800-100-18	18.00	18.0	45.0	100	4
32	ALURA	4UAEM-2000-100-20	20.00	20.0	45.0	100	4
33	ALURA	4UAEM-0600-150-6	6.00	6.0	45.0	150	4
34	ALURA	4UAEM-0800-150-8	8.00	8.0	50.0	150	4
35	ALURA	4UAEM-1000-150-10	10.00	10.0	60.0	150	4
36	ALURA	4UAEM-1200-150-12	12.00	12.0	60.0	150	4
37	ALURA	4UAEM-1400-150-14	14.00	14.0	70.0	150	4
38	ALURA	4UAEM-1600-150-16	16.00	16.0	75.0	150	4
39	ALURA	4UAEM-1800-150-18	18.00	18.0	75.0	150	4
40	ALURA	4UAEM-2000-150-20	20.00	20.0	75.0	150	4



Endmill for aluminum machining

Alura Plus Endmill

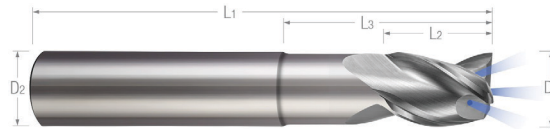
- » Applying double relief angle (High productivity due to higher rigidity of cutting edge)
- » Realizing sharp edge (sharp cutting edge available for roughing and finishing)
- » Effectively evacuates chips even at high feeds using U-shaped flutes

Alura Plus Endmill _____

Exclusive U-shaped flute design

ALURA+

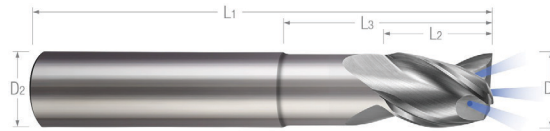
For Premium Aluminum Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
1	ALURA	4UAEM-0100-050-4	1.00	4.0	3.0	50	4
2	ALURA	4UAEM-0150-050-4	1.50	4.0	4.5	50	4
3	ALURA	4UAEM-0200-050-4	2.00	4.0	6.0	50	4
4	ALURA	4UAEM-0250-050-4	2.50	4.0	7.5	50	4
5	ALURA	4UAEM-0300-050-4	3.00	4.0	9.0	50	4
6	ALURA	4UAEM-0300-050-3	3.00	3.0	9.0	50	4
7	ALURA	4UAEM-0300-075-3	3.00	3.0	12.0	75	4
8	ALURA	4UAEM-0300-100-3	3.00	3.0	15.0	100	4
9	ALURA	4UAEM-0350-050-4	3.50	4.0	10.0	50	4
10	ALURA	4UAEM-0400-050-4	4.00	4.0	12.0	50	4
11	ALURA	4UAEM-0400-075-4	4.00	4.0	16.0	75	4
12	ALURA	4UAEM-0400-100-4	4.00	4.0	20.0	100	4
13	ALURA	4UAEM-0600-050-6	6.00	6.0	15.0	50	4
14	ALURA	4UAEM-0500-050-5	5.00	5.0	15.0	50	4
15	ALURA	4UAEM-0500-075-5	5.00	5.0	20.0	75	4
16	ALURA	4UAEM-0500-100-5	5.00	5.0	25.0	100	4
17	ALURA	4UAEM-0500-075-6	5.00	6.0	20.0	75	4
18	ALURA	4UAEM-0500-100-6	5.00	6.0	20.0	100	4
19	ALURA	4UAEM-0600-050-6	6.00	6.0	18.0	50	4
20	ALURA	4UAEM-0600-075-6	6.00	6.0	24.0	75	4
21	ALURA	4UAEM-0600-100-6	6.00	6.0	30.0	100	4
22	ALURA	4UAEM-0800-060-8	8.00	8.0	24.0	60	4
23	ALURA	4UAEM-0800-075-8	8.00	8.0	30.0	75	4

ALURA+

For Premium Aluminum Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
24	ALURA	4UAEM-0800-100-8	8.00	8.0	35.0	100	4
25	ALURA	4UAEM-1000-075-10	10.00	10.0	30.0	75	4
26	ALURA	4UAEM-1000-100-10	10.00	10.0	40.0	100	4
27	ALURA	4UAEM-1200-075-12	12.00	12.0	35.0	75	4
28	ALURA	4UAEM-1200-100-12	12.00	12.0	45.0	100	4
29	ALURA	4UAEM-1400-100-14	14.00	14.0	45.0	100	4
30	ALURA	4UAEM-1600-100-16	16.00	16.0	45.0	100	4
31	ALURA	4UAEM-1800-100-18	18.00	18.0	45.0	100	4
32	ALURA	4UAEM-2000-100-20	20.00	20.0	45.0	100	4
33	ALURA	4UAEM-0600-150-6	6.00	6.0	45.0	150	4
34	ALURA	4UAEM-0800-150-8	8.00	8.0	50.0	150	4
35	ALURA	4UAEM-1000-150-10	10.00	10.0	60.0	150	4
36	ALURA	4UAEM-1200-150-12	12.00	12.0	60.0	150	4
37	ALURA	4UAEM-1400-150-14	14.00	14.0	70.0	150	4
38	ALURA	4UAEM-1600-150-16	16.00	16.0	75.0	150	4
	ALURA	4UAEM-1800-150-18	18.00	18.0	75.0	150	4
	ALURA	4UAEM-2000-150-20	20.00	20.0	75.0	150	4

Titana

Optimal Endmill for Ni Based super alloy HRSA:
Inconel718, Hastelloy, waspalloy and etc.

Endmills series for difficult-to-cut materials

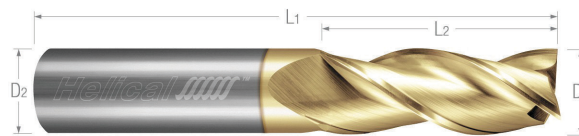
Titana ***For HRSA*** ***For Ti***

- » Machining HRSA and Ti components like engine, turbine and etc. used in aerospace and power generation industries
- » Optimal for difficult-to-cut materials machining due to reduced cutting heat and enhanced chip evacuation



TITINA

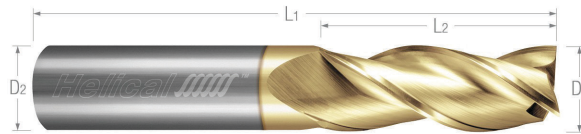
For Premium Aluminum Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
1	TITINA	4UTEM-0100-050-4	1.00	4.0	3.0	50	4
2	TITINA	4UTEM-0150-050-4	1.50	4.0	4.5	50	4
3	TITINA	4UTEM-0200-050-4	2.00	4.0	6.0	50	4
4	TITINA	4UTEM-0250-050-4	2.50	4.0	7.5	50	4
5	TITINA	4UTEM-0300-050-4	3.00	4.0	9.0	50	4
6	TITINA	4UTEM-0300-050-3	3.00	3.0	9.0	50	4
7	TITINA	4UTEM-0300-075-3	3.00	3.0	12.0	75	4
8	TITINA	4UTEM-0300-100-3	3.00	3.0	15.0	100	4
9	TITINA	4UTEM-0350-050-4	3.50	4.0	10.0	50	4
10	TITINA	4UTEM-0400-050-4	4.00	4.0	10.0	50	4
11	TITINA	4UTEM-0400-075-4	4.00	4.0	16.0	75	4
12	TITINA	4UTEM-0400-100-4	4.00	4.0	20.0	100	4
13	TITINA	4UTEM-0600-050-6	6.00	6.0	13.0	50	4
14	TITINA	4UTEM-0500-050-5	5.00	5.0	13.0	50	4
15	TITINA	4UTEM-0500-075-5	5.00	5.0	20.0	75	4
16	TITINA	4UTEM-0500-100-5	5.00	5.0	25.0	100	4
17	TITINA	4UTEM-0600-050-6	6.00	6.0	15.0	50	4
18	TITINA	4UTEM-0600-075-6	6.00	6.0	24.0	75	4
19	TITINA	4UTEM-0600-100-6	6.00	6.0	30.0	100	4
20	TITINA	4UTEM-0800-060-8	8.00	8.0	20.0	60	4
21	TITINA	4UTEM-0800-075-8	8.00	8.0	30.0	75	4
22	TITINA	4UTEM-0800-100-8	8.00	8.0	35.0	100	4

TITINA

For Premium Aluminum Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
23	TITINA	4UTEM-1000-075-10	10.00	10.0	25.0	75	4
24	TITINA	4UTEM-1000-100-10	10.00	10.0	40.0	100	4
25	TITINA	4UTEM-1200-075-12	12.00	12.0	30.0	75	4
26	TITINA	4UTEM-1200-100-12	12.00	12.0	45.0	100	4
27	TITINA	4UTEM-1400-100-14	14.00	14.0	45.0	100	4
28	TITINA	4UTEM-1600-100-16	16.00	16.0	45.0	100	4
29	TITINA	4UTEM-1800-100-18	18.00	18.0	45.0	100	4
30	TITINA	4UTEM-2000-100-20	20.00	20.0	45.0	100	4
31	TITINA	4UTEM-0600-150-6	6.00	6.0	45.0	150	4
32	TITINA	4UTEM-0800-150-8	8.00	8.0	50.0	150	4
33	TITINA	4UTEM-1000-150-10	10.00	10.0	60.0	150	4
34	TITINA	4UTEM-1200-150-12	12.00	12.0	60.0	150	4
35	TITINA	4UTEM-1400-150-14	14.00	14.0	70.0	150	4
36	TITINA	4UTEM-1600-150-16	16.00	16.0	75.0	150	4
37	TITINA	4UTEM-1800-150-18	18.00	18.0	75.0	150	4
38	TITINA	4UTEM-2000-150-20	20.00	20.0	75.0	150	4

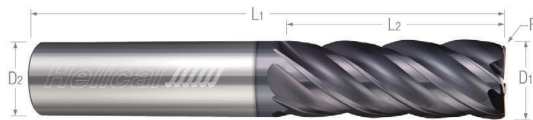
Pronel

- *Design to Suppress Cutting Vibration , resulting in stable Machining and better Surface Finish*
- *Unequal Division and Unequal Helix Angle*
- *Support Higher Cutting Parameter and Increased Tool Life*



PRONEL

For Premium Aluminum Machining



S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
1	PRONEL	UIEM-0100-050-4	1.00	4.0	3.0	50	4
2	PRONEL	UIEM-0150-050-4	1.50	4.0	4.5	50	4
3	PRONEL	UIEM-0200-050-4	2.00	4.0	6.0	50	4
4	PRONEL	UIEM-0250-050-4	2.50	4.0	7.5	50	4
5	PRONEL	UIEM-0300-050-4	3.00	4.0	9.0	50	4
6	PRONEL	UIEM-0300-050-3	3.00	3.0	9.0	50	4
7	PRONEL	UIEM-0300-075-3	3.00	3.0	12.0	75	4
8	PRONEL	UIEM-0300-100-3	3.00	3.0	15.0	100	4
9	PRONEL	UIEM-0350-050-4	3.50	4.0	10.0	50	4
10	PRONEL	UIEM-0400-050-4	4.00	4.0	10.0	50	4
11	PRONEL	UIEM-0400-075-4	4.00	4.0	16.0	75	4
12	PRONEL	UIEM-0400-100-4	4.00	4.0	20.0	100	4
13	PRONEL	UIEM-0600-050-6	6.00	6.0	13.0	50	4
14	PRONEL	UIEM-0500-050-5	5.00	5.0	13.0	50	4
15	PRONEL	UIEM-0500-075-5	5.00	5.0	20.0	75	4
16	PRONEL	UIEM-0500-100-5	5.00	5.0	25.0	100	4
17	PRONEL	UIEM-0600-050-6	6.00	6.0	15.0	50	4
18	PRONEL	UIEM-0600-075-6	6.00	6.0	24.0	75	4
19	PRONEL	UIEM-0600-100-6	6.00	6.0	30.0	100	4
20	PRONEL	UIEM-0800-060-8	8.00	8.0	20.0	60	4
21	PRONEL	UIEM-0800-075-8	8.00	8.0	30.0	75	4
22	PRONEL	UIEM-0800-100-8	8.00	8.0	35.0	100	4

S.NO	SERIES	CODE	DIA (D1)	SHANK DIA (D2)	FLUTE LENGTH (L2)	OAL (L1)	Z
23	PRONEL	UIEM-1000-075-10	10.00	10.0	25.0	75	4
24	PRONEL	UIEM-1000-100-10	10.00	10.0	40.0	100	4
25	PRONEL	UIEM-1200-075-12	12.00	12.0	30.0	75	4
26	PRONEL	UIEM-1200-100-12	12.00	12.0	45.0	100	4
27	PRONEL	UIEM-1400-100-14	14.00	14.0	45.0	100	4
28	PRONEL	UIEM-1600-100-16	16.00	16.0	45.0	100	4
29	PRONEL	UIEM-1800-100-18	18.00	18.0	45.0	100	4
30	PRONEL	UIEM-2000-100-20	20.00	20.0	45.0	100	4
31	PRONEL	UIEM-0600-150-6	6.00	6.0	45.0	150	4
32	PRONEL	UIEM-0800-150-8	8.00	8.0	50.0	150	4
33	PRONEL	UIEM-1000-150-10	10.00	10.0	60.0	150	4
34	PRONEL	UIEM-1200-150-12	12.00	12.0	60.0	150	4
35	PRONEL	UIEM-1400-150-14	14.00	14.0	70.0	150	4
36	PRONEL	UIEM-1600-150-16	16.00	16.0	75.0	150	4
37	PRONEL	UIEM-1800-150-18	18.00	18.0	75.0	150	4
38	PRONEL	UIEM-2000-150-20	20.00	20.0	75.0	150	4