

(PG 4) ALTIN COATED UNC Threadmills	Customer Cost
2-56TRML	52.27
4-40TRML	52.27
6-32TRML	51.01
8-32TRML	51.01
8-36TRML	51.01
10-24TRML	51.35
10-32TRML	51.35
1/4-20TRML	57.54
1/4-28TRML	57.54
5/16-18TRML	67.39
5/16-20TRML	67.39
5/16-24TRML	67.39
3/8-16TRML	83.18
3/8-24TRML	83.18
7/16-14TRML	89.54
7/16-20TRML	89.54
1/2-13TRML	90.63
1/2-20TRML	90.63
9/16-12TRML	107.22
9/16-18TRML	107.22
9/16-32TRML	120.75
5/8-11TRML	114.28
5/8-18TRML	114.28
3/4-10TRML	114.28
3/4-16TRML	114.28
7/8-9TRML	123.57
7/8-14TRML	127.60
1-8TRML	151.20
1-12TRML	151.20

(PG 4) UNCOATED UNC Threadmills	Customer Cost
2-56TRMLB	51.31
4-40TRMLB	51.31
6-32TRMLB	50.05
8-32TRMLB	50.05
8-36TRMLB	50.05
10-24TRMLB	50.13
10-32TRMLB	50.13
1/4-20TRMLB	55.65
1/4-28TRMLB	55.65
5/16-18TRMLB	64.87
5/16-20TRMLB	64.87
5/16-24TRMLB	64.87
3/8-16TRMLB	79.44
3/8-24TRMLB	79.44
7/16-14TRMLB	86.41
7/16-20TRMLB	86.41
1/2-13TRMLB	85.83
1/2-20TRMLB	85.83
9/16-12TRMLB	101.19
9/16-18TRMLB	101.19
9/16-32TRMLB	114.73
5/8-11TRMLB	108.26
5/8-18TRMLB	108.26
3/4-10TRMLB	108.26
3/4-16TRMLB	108.26
7/8-9TRMLB	120.89
7/8-14TRMLB	120.89
1-8TRMLB	143.27
1-12TRMLB	143.27

(PG 5) MULTI-PACKS	Cost
Threadmill ThreadPac	386.06

(PG 6) ALTIN COATED NPT	Customer Cost
1/16NPTTRML	68.09
1/8NPTTRML	68.97
1/4NPTTRML	83.37
3/8NPTTRML	83.37
1/2NPTTRML	119.83
3/4NPTTRML	119.83
1NPTTRML	159.79
2.5NPTTRML	280.60

(PG 6) ALTIN COATED NPTF (DRYSEAL)	Customer Cost
1/16NPTFTRML	68.09
1/8NPTFTRML	68.97
1/4NPTFTRML	83.37
3/8NPTFTRML	83.37
1/2NPTFTRML	119.83
3/4NPTFTRML	119.83
1NPTFTRML	159.79
2.5NPTFTRML	280.60

(PG 6) UNCOATED NPT	Customer Cost
1/16NPTTRMLB	65.57
1/8NPTTRMLB	68.97
1/4NPTTRMLB	79.62
3/8NPTTRMLB	79.62
1/2NPTTRMLB	113.81
3/4NPTTRMLB	113.81
1NPTTRMLB	151.85
2.5NPTTRMLB	267.17
(PG 6) UNCOATED NPTF (DRYSEAL)	Distributor Cost
1/16NPTFTRMLB	65.57
1/8NPTFTRMLB	68.97
1/4NPTFTRMLB	79.62
3/8NPTFTRMLB	79.62
1/2NPTFTRMLB	113.81
3/4NPTFTRMLB	113.81
1NPTFTRMLB	151.85
2.5NPTFTRMLB	267.17

(PG 7) ALTIN COATED Metric Threadmills	Customer Cost
M3-0.50TRML	49.65
M4-0.70TRML	52.44
M4.5-0.75TRML	51.01
M5-0.80TRML	52.36
M6-1.00TRML	55.99
M8-0.75TRML	67.39
M8-1.00TRML	67.39
M8-1.25TRML	67.39
M10-1.00TRML	82.84
M10-1.25TRML	82.84
M10-1.50TRML	82.84
M12-1.00TRML	92.25
M12-1.25TRML	92.25
M12-1.50TRML	92.25
M12-1.75TRML	92.25
M14-1.50TRML	92.25
M16-2.00TRML	114.28
M18-1.50TRML	114.28
M18-2.50TRML	114.28
M20-3.00TRML	124.86
(PG 8) ALTIN COATED BSPP	Customer Cost
1/16-28BSPPTRML	88.38
1/8-28BSPPTRML	88.38
1/4-19BSPPTRML	92.73
3/8-19BSPPTRML	92.73
1/2-14BSPPTRML	150.66
3/4-14BSPPTRML	150.66
1-11BSPPTRML	194.40
2-11BSPPTRML	194.40

(PG 7) UNCOATED Metric Threadmills	Customer Cost
M4-0.70TRMLB	50.05
M4.5-0.75TRMLB	50.05
M5-0.80TRMLB	51.14
M6-1.00TRMLB	54.09
M8-0.75TRMLB	64.87
M8-1.00TRMLB	64.87
M8-1.25TRMLB	64.87
M10-1.00TRMLB	79.71
M10-1.25TRMLB	79.71
M10-1.50TRMLB	79.71
M12-1.00TRMLB	87.45
M12-1.25TRMLB	87.45
M12-1.50TRMLB	87.45
M12-1.75TRMLB	87.45
M14-1.50TRMLB	87.45
M16-2.00TRMLB	108.26
M18-1.50TRMLB	108.26
M18-2.50TRMLB	108.26
M20-3.00TRMLB	118.15
(PG 8) ALTIN COATED BSPT	Customer Cost
1/16-28BSPTTRML	88.38
1/8-28BSPTTRML	88.38
1/4-19BSPTTRML	92.73
3/8-19BSPTTRML	92.73
1/2-14BSPTTRML	150.66
3/4-14BSPTTRML	150.66
1-11BSPTTRML	194.40
2-11BSPTTRML	194.40

(PG 9) ALTIN COATED VariFlute Threadmills	Customer Cost
10-32TREXRML	62.82
1/4-20TREXRML	67.21
1/4-28TREXRML	67.21
5/16-18TREXRML	77.48
5/16-24TREXRML	77.48
3/8-16TREXRML	93.28
3/8-24TREXRML	93.28
7/16-14TREXRML	93.66
7/16-20TREXRML	102.98
1/2-13TREXRML	102.98
3/4-16TREXRML	123.33
(PG 9) ALTIN COATED Coolant Thru Threadmills	Customer Cost
10-32COOLREX	64.53
1/4-20COOLREX	68.91
1/4-28COOLREX	68.91
5/16-18COOLREX	80.84
5/16-24COOLREX	80.84
3/8-16COOLREX	96.15
3/8-24COOLREX	96.15
7/16-14COOLREX	103.13
7/16-20COOLREX	110.80
1/2-13COOLREX	110.80
3/4-16COOLREX	130.54

(PG 10) ALTIN COATED NPS	Customer Cost
1/8NPSTRML	78.65
1/4NPSTRML	103.76
3/8NPSTRML	103.76
1/2NPSTRML	153.99
3/4NPSTRML	153.99
1NPSTRML	180.18
2.5NPSTRML	280.60
(PG 10) ALTIN COATED NPSF	Customer Cost
1/8NPSFTRML	78.65
1/4NPSFTRML	103.76
3/8NPSFTRML	103.76
1/2NPSFTRML	153.99
3/4NPSFTRML	153.99
1NPSFTRML	180.18
2.5NPSFTRML	280.60

(PG 10) UNCOATED NPS	Customer Cost
1/8NPSTRMLB	76.13
1/4NPSTRMLB	99.57
3/8NPSTRMLB	99.57
1/2NPSTRMLB	147.27
3/4NPSTRMLB	147.27
1NPSTRMLB	172.25
2.5NPSTRMLB	267.17
(PG 10) UNCOATED NPSF	Customer Cost
1/8NPSFTRMLB	76.13
1/4NPSFTRMLB	99.57
3/8NPSFTRMLB	99.57
1/2NPSFTRMLB	147.27
3/4NPSFTRMLB	147.27
1NPSFTRMLB	172.25
2.5NPSFTRMLB	267.17

(PG 11) ALTIM COATED Single Profile Thrdml	Customer Cost
2-SPTRML	58.01
3-SPTRML	68.97
4-SPTRML	56.86
4L-SPTRML	59.10
6-SPTRML	56.86
6L-SPTRML	59.10
8-SPTRML	58.93
8L-SPTRML	64.82
10-SPTRML	61.66
10L-SPTRML	67.36
12L-SPTRML	64.82
1/4-SPTRML	64.03
1/4L-SPTRML	67.55
5/16-SPTRML	61.12
5/16L-SPTRML	64.82
3/8-SPTRML	79.60
3/8L-SPTRML	83.30
1/2-SPTRML	91.73
1/2L-SPTRML	95.62
3/4-SPTRML	95.33
3/4L-SPTRML	99.31

(PG 11) UNCOATED Single Profile Thrdml	Customer Cost
2-SPTRMLB	57.05
3-SPTRMLB	68.97
4-SPTRMLB	55.90
4L-SPTRMLB	58.14
6-SPTRMLB	55.90
6L-SPTRMLB	58.14
8-SPTRMLB	57.97
8L-SPTRMLB	63.86
10-SPTRMLB	60.44
10L-SPTRMLB	66.14
12L-SPTRMLB	63.60
1/4-SPTRMLB	62.81
1/4L-SPTRMLB	66.33
5/16-SPTRMLB	58.60
5/16L-SPTRMLB	62.30
3/8-SPTRMLB	75.85
3/8L-SPTRMLB	79.55
1/2-SPTRMLB	87.10
1/2L-SPTRMLB	90.99
3/4-SPTRMLB	90.70
3/4L-SPTRMLB	94.68

(PG 12) NACO COATED Hardmill Threadmills	Customer Cost
10-24HRDTRML	71.51
10-32HRDTRML	71.51
1/4-20HRDTRML	77.05
1/4-28HRDTRML	77.05
5/16-18HRDTRML	88.78
5/16-24HRDTRML	88.78
3/8-16HRDTRML	106.53
3/8-24HRDTRML	106.53
7/16-14HRDTRML	121.24
7/16-20HRDTRML	121.24
1/2-13HRDTRML	124.04
5/8-11HRDTRML	141.00
3/4-10HRDTRML	142.40
3/4-16HRDTRML	142.40

(PG 16) Coated Std VariFL Alum CTD 2 FL	Customer Cost
350018X	13.86
350316X	18.53
350014X	25.76
350516X	31.74
350038X	37.59
350716X	42.99
350012X	48.65
350058X	80.83
350034X	122.19
350001X	192.20
(PG 16) Coated Std VFA CTD 3 FL	Customer Cost
360018X	13.86
360316X	18.53
360014X	25.76
360516X	31.74
360038X	37.59
360716X	42.99
360012X	48.65
360058X	80.83
360034X	122.19
360001X	192.20

(PG 16) Rough/Finish 2 FL Std R/F VFA Coated	Customer Cost
350018RFX	16.47
350316RFX	21.14
350014RFX	29.07
350516RFX	35.76
350038RFX	42.42
350012RFX	54.56
350058RFX	95.02
350034RFX	134.40
350001RFX	213.16
(PG 16) Rough/Finish 3 FL Std R/F VFA Coated	Customer Cost
360018XRF	16.47
360316XRF	21.14
360014XRF	29.07
360516XRF	35.76
360038XRF	42.42
360012XRF	54.56
360058XRF	95.02
360034XRF	134.40
360001XRF	213.16

(PG 17) COATED STUB VFA 3 FL	Customer Cost
360018XS	13.86
360316XS	18.53
360014XS	25.76
360516XS	31.74
360038XS	37.59
360012XS	48.65

Long VFA (PG 18) 2 FL	Cost
350014LX	34.19
350516LX	41.28
350038LX	48.97
350012LX	72.12
350058LX	109.94
350034LX	147.70
350001LX	219.77
Long VFA (PG 18) 3 FL	Cost
360014LX	34.19
360516LX	41.28
360038LX	48.97
360012LX	72.12
360058LX	109.94
360034LX	147.70
360001LX	219.77
Long R/F VFA (PG 18) 2 FL	Cost
350014LXRF	38.75
350516LXRF	46.41
350038LXRF	54.92
350012LXRF	80.94
350058LXRF	110.68
350034LXRF	165.29
350001LXRF	244.92
Long R/F VFA (PG 18) 3 FL	Cost
360014LXRF	38.75
360516LXRF	46.41
360038LXRF	54.92
360012LXRF	80.94
360058LXRF	110.68
360034LXRF	165.29
360001LXRF	244.92

(PG 19) Coated Square VFA 2 FL	Customer Cost
320014X	24.63
320516X	31.07
320038X	36.94
320716X	42.48
320012X	48.04
320058X	80.02
320034X	121.35
320001X	190.98
(PG 19) Coated Square VFA 3 FL	Customer Cost
330014X	24.63
330516X	31.07
330038X	36.94
330716X	42.48
330012X	48.04
330058X	80.02
330034X	121.35
330001X	190.98

(PG 19) Rough/Finish 2 FL R/F Square VFA 2 FL	Customer Cost
320014XRF	28.55
320516XRF	34.98
320038XRF	40.36
320012XRF	53.26
320058XRF	93.72
320034XRF	133.09
320001XRF	211.86
(PG 19) Rough/Finish 3 FL R/F Square VFA 3 FL	Customer Cost
330014XRF	28.55
330516XRF	34.98
330038XRF	40.36
330012XRF	53.26
330058XRF	93.72
330034XRF	133.09
330001XRF	211.86

(PG 20) Coated Ballnose VFA 2 FL	Customer Cost
340018X	19.07
340316X	23.75
340014X	33.07
340516X	39.96
340038X	48.55
340012X	67.83
340058X	97.27
340034X	135.89
340001X	201.33
(PG 20) Rough/Finish 2 FL R/F Ballnose VFA 2 FL	Customer Cost
340018XRF	24.29
340316XRF	30.27
340014XRF	37.42
340516XRF	45.81
340038XRF	55.07
340012XRF	76.35
340058XRF	108.85
340034XRF	151.36
340001XRF	222.95

(PG 22) VFS Standard VariFlute For Steel	Customer Cost
18MTMX	12.75
532MTMX	15.66
316MTMX	14.92
732MTMX	21.09
14MTMX	20.08
932MTMX	26.28
516MTMX	25.02
38MTMX	30.25
716MTMX	35.85
12MTMX	47.50
58MTMX	82.35
34MTMX	118.78
1MTMX	178.36
(PG 22) Square VFS	Customer Cost
14MTMXSQ	20.08
516MTMXSQ	25.02
38MTMXSQ	30.25
716MTMXSQ	35.85
12MTMXSQ	47.50
58MTMXSQ	82.35
34MTMXSQ	118.78
1MTMXSQ	178.36
(PG 23) Long VFS	Customer Cost
14MTMXL	31.62
38MTMXL	45.79
12MTMXL	72.10
58MTMXL	115.26
34MTMXL	163.19

(PG 23) Stub VFS	Customer Cost
18MTMXS	12.18
532MTMXS	14.17
316MTMXS	13.56
732MTMXS	18.20
14MTMXS	17.44
932MTMXS	23.21
516MTMXS	22.39
38MTMXS	26.45
12MTMXS	39.75
58MTMXS	70.61
34MTMXS	111.08
1MTMXS	172.59

(PG 24) Ballnose VFS	Customer Cost
18MTMXB	17.35
532MTMXB	20.50
316MTMXB	19.52
732MTMXB	26.19
14MTMXB	24.93
932MTMXB	30.41
516MTMXB	28.96
38MTMXB	33.08
716MTMXB	39.97
12MTMXB	58.88
58MTMXB	97.39
34MTMXB	138.88
1MTMXB	209.52

(PG 24) Long Reach VFS	Cost
14MTMX2L	32.13
38MTMX2L	45.59
12MTMX2L	82.18
58MTMX2L	126.80
34MTMX2L	194.57
(PG 26) VariFI for Stainless 5 FL VFSS	Customer Cost
18MTMX5	12.75
532MTMX5	15.66
316MTMX5	14.92
732MTMX5	21.09
14MTMX5	20.08
932MTMX5	26.28
516MTMX5	25.02
38MTMX5	30.25
716MTMX5	35.85
12MTMX5	47.50
58MTMX5	82.35
34MTMX5	118.78
1MTMX5	178.36
(PG 27) Stub 5 FL VF SS	Cost
18MTMX5S	12.18
532MTMX5S	14.17
316MTMX5S	13.56
732MTMX5S	18.20
14MTMX5S	17.44
932MTMX5S	23.21
516MTMX5S	22.39
38MTMX5S	26.45
716MTMX5S	39.75
12MTMX5S	47.50

(PG 28) Hard Mill SQ Corner	Customer Cost
18HRDML	18.31
532HRDML	22.12
316HRDML	21.32
14HRDML	26.46
516HRDML	33.87
38HRDML	41.38
12HRDML	59.14
58HRDML	90.89
34HRDML	127.66
(PG 28) Hard Mill Radius	Customer Cost
18HRDMLR	20.17
532HRDMLR	24.69
316HRDMLR	24.37
14HRDMLR	29.34
516HRDMLR	38.65
38HRDMLR	45.20
12HRDMLR	63.92
58HRDMLR	98.54
34HRDMLR	138.18

(PG 30) ALTIN COATED High Feed Mill	Customer Cost
FMXML018A	39.14
FMXML018B	46.22
FMXML316A	48.45
FMXML316B	52.74
FMXML014A	61.33
FMXML014B	68.65
FMXML014C	72.94
FMXML516A	75.53
FMXML516B	91.13
FMXML038A	96.98
FMXML038B	106.62
FMXML038C	128.94
FMXML012A	160.81
FMXML012B	172.25
FMXML012C	194.19
(PG 31) ALTIN COATED High Feed Mill Coolant Thru	Customer Cost
FMXCT316A	51.20
FMXCT316B	55.49
FMXCT014A	68.94
FMXCT014B	78.37
FMXCT014C	84.16
FMXCT516A	81.92
FMXCT516B	100.14
FMXCT038A	106.01
FMXCT038B	118.99
FMXCT038C	143.96
FMXCT012A	186.61
FMXCT012B	191.32
FMXCT012C	212.97

(PG 32) Stnd Rougher Altin	Cost
170RF31	13.26
170RF14	16.72
170RF51	22.30
170RF38	27.70
170RF12	38.43
170RF58	74.40
170RF34	99.67
170RF10	177.81
(p32 Long Rough) 170RF31L	17.31
170RF14L	26.38
170RF51L	36.83
170RF38L	46.11
170RF12L	57.06
170RF58L	109.68
170RF34L	162.03
170RF10L	236.47
p33 VariFlute Stnd Rough	Cost
170RF31HD	16.40
170RF14HD	22.30
170RF51HD	28.76
170RF38HD	36.08
170RF12HD	48.02
170RF58HD	90.57
170RF34HD	118.72
170RF10HD	210.07
p33 VariFlute Stub Rough	Cost
170RF31HDS	14.94
170RF14HDS	21.34
170RF51HDS	26.12
170RF38HDS	32.74
170RF12HDS	44.97

(PG 34) 6 FLUTE Endmill	Customer Cost
7800014	23.68
7800516	29.38
7800038	33.82
7800716	40.33
7800012	46.94
7800058	79.07
7800034	110.71
7800001	180.53

(PG 35) ALTIN COATED 45 DEGREE HELIX 3 FL	Customer Cost
3800018	9.43
3800316	11.82
3800014	13.77
3800516	17.85
3800038	21.95
3800012	38.93
3800058	75.92
3800034	108.01

(PG 35) ALTIN COATED 60 DEGREE HELIX 3FL	Customer Cost
3900018	9.43
3900316	11.82
3900014	13.77
3900516	17.85
3900038	21.95
3900012	38.93
3900058	75.92
3900034	108.01

(PG 36) Imperial 4 FL Pre-Ream Endmill	Customer Cost
PRERM018XR	10.74
PRERM316XR	13.18
PRERM014XR	18.39
PRERM516XR	23.51
PRERM038XR	29.01
PRERM012XR	46.63
PRERMPACXR	131.71
(PG 36) Metric 4 FL Pre-Ream Endmill	Customer Cost
PRERM03XR-M	11.47
PRERM04XR-M	18.29
PRERM05XR-M	25.53
PRERM06XR-M	19.85
PRERM08XR-M	23.51
PRERM10XR-M	52.29
PRERM12XR-M	53.89
PRERMPACXR-M	190.71

(PG 38) 90 Deg Spot Drill	Cost
SD139018	11.14
SD139316	13.45
SD139014	17.54
SD139038	31.02
SD139012	49.65
SD139058	87.77
SD139034	116.70
(PG 38) 120 Deg Spot Drill	Cost
SD120018	11.14
SD120316	13.45
SD120014	17.54
SD120038	31.02
SD120012	49.65
SD120058	87.77
SD120034	116.70
(PG 39) 90 Deg DE Spot	Cost
SDE139018	17.48
SDE139316	21.09
SDE139014	25.06
SDE139038	38.34
SDE139012	65.87
SDE139058	115.01
SDE139034	156.47
(PG 39) 120 Deg DE Spot	Cost
SDE120018	17.48
SDE120316	21.09
SDE120014	25.06
SDE120038	38.34
SDE120012	65.87
SDE120058	115.01
SDE120034	156.47

(PG 40) ALTIN COATED 90 Deg Drillmill 2FL	Customer Cost	(PG 40) UNCOATED 90 Deg Drillmill 2FL	Customer Cost	(PG 40) ALTIN COATED 120 Deg Drillmill 2FL	Customer Cost
15DRLML18X	9.76	15DRLML18	8.70	11DRLML18X	9.76
15DRLML31X	13.05	15DRLML31	11.70	11DRLML31X	13.05
15DRLML14X	17.90	15DRLML14	15.10	11DRLML14X	17.90
15DRLML51X	23.31	15DRLML51	19.84	11DRLML51X	23.31
15DRLML38X	28.40	15DRLML38	24.24	11DRLML38X	28.40
15DRLML12X	44.55	15DRLML12	39.41	11DRLML12X	44.55
15DRLML58X	72.49	15DRLML58	65.03	11DRLML58X	72.49
15DRLML34X	98.05	15DRLML34	89.24	11DRLML34X	98.05
(PG 40) ALTIN COATED 90 Deg Drillmill 4FL	Customer Cost	(PG 40) UNCOATED 90 Deg Drillmill 4FL	Customer Cost	(PG 40) ALTIN COATED 120 Deg Drillmill 4FL	Customer Cost
17DRLML18X	9.76	17DRLML18	8.70	13DRLML18X	9.76
17DRLML31X	13.05	17DRLML31	11.70	13DRLML31X	13.05
17DRLML14X	17.90	17DRLML14	15.10	13DRLML14X	17.90
17DRLML51X	23.31	17DRLML51	19.84	13DRLML51X	23.31
17DRLML38X	28.40	17DRLML38	24.24	13DRLML38X	28.40
17DRLML12X	44.55	17DRLML12	39.41	13DRLML12X	44.55
17DRLML58X	72.49	17DRLML58	65.03	13DRLML58X	72.49
17DRLML34X	98.05	17DRLML34	89.24	13DRLML34X	98.05

(PG 40) UNCOATED 120 Deg Drillmill 2FL	Customer Cost	(PG 40) UNCOATED 120 Deg Drillmill 4FL	Customer Cost
11DRLML18	8.70	13DRLML18	8.70
11DRLML31	11.70	13DRLML31	11.70
11DRLML14	15.10	13DRLML14	15.10
11DRLML51	19.84	13DRLML51	19.84
11DRLML38	24.24	13DRLML38	24.24
11DRLML12	39.41	13DRLML12	39.41
11DRLML58	65.03	13DRLML58	65.03
11DRLML34	89.24	13DRLML34	89.24

(PG 41) ALTIM COATED 60 Deg Drillmill 2FL	Customer Cost
18DRLML18X	9.76
18DRLML31X	13.05
18DRLML14X	17.90
18DRLML51X	23.31
18DRLML38X	28.40
18DRLML12X	44.55
18DRLML58X	72.49
18DRLML34X	98.05
(PG 41) ALTIM COATED 60 Deg Drillmill 4FL	Customer Cost
19DRLML18X	9.76
19DRLML31X	13.05
19DRLML14X	17.90
19DRLML51X	23.31
19DRLML38X	28.40
19DRLML12X	44.55
19DRLML58X	72.49
19DRLML34X	98.05

(PG 41) UNCOATED 60 Deg Drillmill 2FL	Customer Cost
18DRLML18	8.70
18DRLML31	11.70
18DRLML14	15.10
18DRLML51	19.84
18DRLML38	24.24
18DRLML12	39.41
18DRLML58	65.03
18DRLML34	89.24
(PG 41) UNCOATED 60 Deg Drillmill 4FL	Customer Cost
19DRLML18	8.70
19DRLML31	11.70
19DRLML14	15.10
19DRLML51	19.84
19DRLML38	24.24
19DRLML12	39.41
19DRLML58	65.03
19DRLML34	89.24

(PG 42) UNCOATED Corner Round Replacement	Customer Cost
1-32RPEM	20.42
1-16RPEM	27.35
3-32RPEM	34.95
1-8RPEM	46.57
3-16RPEM	62.11
1-4RPEM	90.36
MULTI-PACKS	Cost
Corner Rounding RadPac	239.08

(PG 43) UNCOATED 60 Degree Chamfer Cutters	Customer Cost
18CHAM30	12.81
14CHAM30	23.08
38CHAM30	33.45
12CHAM30	50.04
58CHAM30	77.97
(PG 43) UNCOATED 82 Degree Chamfer Cutters	Customer Cost
18CHAM41	12.81
14CHAM41	23.08
38CHAM41	33.45
12CHAM41	50.04
58CHAM41	77.97
(PG 43) UNCOATED 90 Degree Chamfer Cutters	Customer Cost
18CHAM45	12.81
14CHAM45	23.08
38CHAM45	33.45
12CHAM45	50.04
58CHAM45	77.97

(PG 44) ALTIM COATED Stub Endmills 2FL	Customer Cost
1100332X	7.06
1100018X	7.06
1100532X	9.11
1100316X	9.11
1100014X	11.54
1100516X	16.21
1100038X	18.36
1100716X	24.56
1100012X	30.49
1100058X	60.79
1100034X	92.78
(PG 44) ALTIM COATED Stub Endmills 4FL	Customer Cost
1200332X	7.06
1200018X	7.06
1200532X	9.11
1200316X	9.11
1200014X	11.54
1200516X	16.21
1200038X	18.36
1200716X	24.56
1200012X	30.49
1200058X	60.79
1200034X	92.78

(PG 44) UNCOATED Stub Endmills 2FL	Customer Cost
1100332	5.41
1100018	5.41
1100532	7.44
1100316	7.44
1100014	9.75
1100516	14.34
1100038	15.82
1100716	20.41
1100012	26.16
1100058	56.76
1100034	89.71
(PG 44) UNCOATED Stub Endmills 4FL	Customer Cost
1200332	5.41
1200018	5.41
1200532	7.44
1200316	7.44
1200014	9.75
1200516	14.34
1200038	15.82
1200716	20.41
1200012	26.16
1200058	56.76
1200034	89.71

(PG 45) ALTIM COATED Stub Ballmills CTD 2FL	Customer Cost
1300332X	8.27
1300018X	8.27
1300532X	10.20
1300316X	10.20
1300014X	13.09
1300516X	18.33
1300038X	21.12
1300716X	28.00
1300012X	34.83
1300058X	65.58
1300034X	104.35
(PG 45) ALTIM COATED Stub Ballmills CTD 4FL	Customer Cost
1400332X	8.27
1400018X	8.27
1400532X	10.20
1400316X	10.20
1400014X	13.09
1400516X	18.33
1400038X	21.12
1400716X	28.00
1400012X	34.83
1400058X	65.58
1400034X	104.35

(PG 45) UNCOATED Stub Ballmills 2FL	Customer Cost
1300332	7.08
1300018	7.08
1300532	9.09
1300316	9.09
1300014	12.03
1300516	16.85
1300038	19.05
1300716	24.45
1300012	31.25
1300058	62.83
1300034	103.47
(PG 45) UNCOATED Stub Ballmills 4FL	Customer Cost
1400332	7.08
1400018	7.08
1400532	9.09
1400316	9.09
1400014	12.03
1400516	16.85
1400038	19.05
1400716	24.45
1400012	31.25
1400058	62.83
1400034	103.47

(PG 46) ALTIM COATED Stub DOUBLE EndMills 2FL	Customer Cost
1120332X	11.39
1120018X	11.39
1120532X	13.42
1120316X	13.42
1120014X	17.42
1120516X	23.53
1120038X	26.95
1120716X	33.91
1120012X	43.46
(PG 46) ALTIM COATED Stub DOUBLE End Mills 4FL	Customer Cost
1220332X	11.39
1220018X	11.39
1220532X	13.42
1220316X	13.42
1220014X	17.42
1220516X	23.53
1220038X	26.95
1220716X	33.91
1220012X	43.46

(PG 46) UNCOATED Stub DOUBLE End Mills 2FL	Customer Cost
1120332	8.90
1120018	8.90
1120532	10.91
1120316	10.91
1120014	13.47
1120516	17.50
1120038	20.28
1120716	26.23
1120012	35.16
(PG 46) UNCOATED Stub DOUBLE End Mills 4FL	Customer Cost
1220332	8.90
1220018	8.90
1220532	10.91
1220316	10.91
1220014	13.47
1220516	17.50
1220038	20.28
1220716	26.23
1220012	35.16

(PG 47) ALTIN COATED 2FL Standard Endmills	Customer Cost	(PG 47) ALTIN COATED 3FL Standard Endmills	Customer Cost	(PG 47) ALTIN COATED 4FL Standard Endmills	Customer Cost
1500332X	7.20	1600332X	7.20	1700332X	7.20
1500018X	7.16	1600018X	7.16	1700018X	7.16
1500532X	9.86	1600532X	9.86	1700532X	9.86
1500316X	9.36	1600316X	9.36	1700316X	9.36
1500014X	12.28	1600014X	12.28	1700014X	12.28
1500516X	16.75	1600516X	16.75	1700516X	16.75
1500038X	20.27	1600038X	20.27	1700038X	20.27
1500716X	28.42	1600716X	28.42	1700716X	28.42
1500012X	34.37	1600012X	34.37	1700012X	34.37
1500916X	60.12	1600916X	60.12	1700916X	60.12
1500058X	62.78	1600058X	62.78	1700058X	62.78
1500034X	88.14	1600034X	88.14	1700034X	88.14
1500078X	158.96	1600078X	158.96	1700078X	158.96
1500001X	160.01	1600001X	160.01	1700001X	160.01
(PG 47) UNCOATED 2FL Standard Endmills	Customer Cost	(PG 47) UNCOATED 3FL Standard Endmills	Customer Cost	(PG 47) UNCOATED 4FL Standard Endmills	Customer Cost
1500332	5.67	1600332	5.67	1700332	5.67
1500018	5.74	1600018	5.74	1700018	5.74
1500532	8.55	1600532	8.55	1700532	8.55
1500316	8.02	1600316	8.02	1700316	8.02
1500014	10.56	1600014	10.56	1700014	10.56
1500516	13.96	1600516	13.96	1700516	13.96
1500038	17.33	1600038	17.33	1700038	17.33
1500716	25.47	1600716	25.47	1700716	25.47
1500012	31.49	1600012	31.49	1700012	31.49
1500916	57.81	1600916	57.81	1700916	57.81
1500058	60.26	1600058	60.26	1700058	60.26
1500034	86.95	1600034	86.95	1700034	86.95
1500078	157.49	1600078	157.49	1700078	157.49
1500001	156.04	1600001	156.04	1700001	156.04

(PG 48) ALTIN COATED 2FL Ballmills Standard	Customer Cost
1800332X	8.40
1800018X	8.40
1800532X	11.17
1800316X	10.36
1800014X	14.83
1800516X	19.53
1800038X	22.07
1800716X	30.47
1800012X	40.17
1800916X	61.31
1800058X	65.99
1800034X	95.62
1800078X	172.90
1800001X	168.02
(PG 48) UNCOATED 2FL Ballmills Standard	Customer Cost
1800332	7.07
1800018	7.07
1800532	9.94
1800316	9.10
1800014	12.78
1800516	16.28
1800038	18.49
1800716	26.55
1800012	36.21
1800916	56.63
1800058	61.07
1800034	91.06
1800078	169.77
1800001	162.19

(PG 48) ALTIN COATED 3FL Ballmills Standard	Customer Cost
1900332X	8.40
1900018X	8.40
1900532X	11.17
1900316X	10.36
1900014X	14.83
1900516X	19.53
1900038X	22.07
1900716X	30.47
1900012X	40.17
1900916X	61.31
1900058X	65.99
1900034X	95.62
1900078X	172.90
1900001X	168.02
(PG 48) UNCOATED 3FL Ballmills Standard	Customer Cost
1900332	7.07
1900018	7.07
1900532	9.94
1900316	9.10
1900014	12.78
1900516	16.28
1900038	18.49
1900716	26.55
1900012	36.21
1900916	56.63
1900058	61.07
1900034	91.06
1900078	169.77
1900001	162.19

(PG 48) ALTIN COATED 4FL Ballmills Standard	Customer Cost
1950332X	8.40
1950018X	8.40
1950532X	11.17
1950316X	10.36
1950014X	14.83
1950516X	19.53
1950038X	22.07
1950716X	30.47
1950012X	40.17
1950916X	61.31
1950058X	65.99
1950034X	95.62
1950078X	172.90
1950001X	168.02
(PG 48) UNCOATED 4FL Ballmills Standard	Customer Cost
1950332	7.07
1950018	7.07
1950532	9.94
1950316	9.10
1950014	12.78
1950516	16.28
1950038	18.49
1950716	26.55
1950012	36.21
1950916	56.63
1950058	61.07
1950034	91.06
1950078	169.77
1950001	162.19

(PG 49) ALTIN COATED DOUBLE End Mills 2FL Stnd	Customer Cost
4120018X	14.62
4120532X	16.74
4120316X	16.74
4120014X	19.45
4120516X	35.60
4120038X	35.87
4120716X	46.14
4120012X	54.37
(PG 49) ALTIN COATED DOUBLE End Mills 4FL Stnd	Customer Cost
4220018X	14.62
4220532X	16.74
4220316X	16.74
4220014X	19.45
4220516X	35.60
4220038X	35.87
4220716X	46.14
4220012X	54.37

(PG 49) UNCOATED DOUBLE EndMills 2FL Stnd	Customer Cost
4120018	12.13
4120532	14.13
4120316	14.13
4120014	15.51
4120516	27.57
4120038	29.40
4120716	37.56
4120012	44.20

(PG 49) UNCOATED DOUBLE End Mills 4FL Stnd	Customer Cost
4220018	12.13
4220532	14.13
4220316	14.13
4220014	15.51
4220516	27.57
4220038	29.40
4220716	37.56
4220012	44.20

(PG 50) ALTIN COATED Corner Radius Endmills 4FL	Customer Cost
1700332X-.010R	10.88
1700332X-.015R	10.88
1700332X-.020R	10.88
1700018X-.010R	10.87
1700018X-.015R	10.87
1700018X-.020R	10.87
1700018X-.030R	10.87
1700316X-.010R	12.21
1700316X-.015R	12.21
1700316X-.020R	12.21
1700316X-.030R	12.21
1700014X-.015R	15.95
1700014X-.020R	15.95
1700014X-.030R	15.95
1700014X-.045R	15.95
1700014X-.060R	15.95

(PG 50 CONT.) ALTIN Corner Radius Endmills 4FL	Customer Cost
1700516X-.015R	21.63
1700516X-.020R	21.63
1700516X-.030R	21.63
1700516X-.045R	21.63
1700516X-.060R	21.63
(PG 51) ALTIN COATED Corner Radius Endmills 4FL	Customer Cost
1700038X-.015R	23.36
1700038X-.020R	23.36
1700038X-.030R	23.36
1700038X-.045R	23.36
1700038X-.060R	23.36
1700012X-.015R	39.60
1700012X-.020R	39.60
1700012X-.030R	39.60
1700012X-.045R	39.60
1700012X-.060R	39.60
1700012X-.090R	39.60
1700012X-.125R	39.60

(PG 52) ALTIN COATED Long Endmills 2FL	Customer Cost
510018BX	9.92
510316CX	12.35
510014AX	18.97
510014CX	18.47
510516AX	23.79
510038AX	25.81
510038BX	31.92
510716AX	37.03
510012AX	44.78
510012BX	46.38
510058AX	89.22
510034AX	130.96
510001AX	182.25
(PG 52) ALTIN COATED Long Endmills 4FL	Customer Cost
520018BX	9.92
520316CX	12.35
520014AX	18.97
520014CX	18.47
520516AX	23.79
520038AX	25.81
520038BX	31.92
520716AX	37.03
520012AX	44.78
520012BX	46.38
520058AX	89.22
520034AX	130.96
520001AX	182.25

(PG 52) UNCOATED Long Endmills 2FL	Customer Cost
510018B	8.20
510316C	10.60
510014A	15.98
510014C	15.84
510516A	19.77
510038A	21.36
510038B	26.38
510716A	31.31
510012A	38.00
510012B	39.60
510058A	79.67
510034A	120.38
510001A	167.97
(PG 52) UNCOATED Long Endmills 4FL	Customer Cost
520018B	8.20
520316C	10.60
520014A	15.98
520014C	15.84
520516A	19.77
520038A	21.36
520038B	26.38
520716A	31.31
520012A	38.00
520012B	39.60
520058A	79.67
520034A	120.38
520001A	167.97

(PG 53) ALTIN COATED Long Ball Mills 2FL	Customer Cost
530018BX	11.99
530316CX	14.22
530014AX	20.46
530014CX	20.72
530516AX	26.04
530038AX	28.53
530038BX	36.12
530716AX	43.23
530012AX	49.58
530012BX	49.89
530058AX	98.71
530034AX	144.78
530001AX	263.51
(PG 53) ALTIN COATED Long Ball Mills 4FL	Customer Cost
540018BX	11.99
540316CX	14.22
540014AX	20.46
540014CX	20.72
540516AX	26.04
540038AX	28.53
540038BX	36.12
540716AX	43.23
540012AX	49.58
540012BX	49.89
540058AX	98.71
540034AX	144.78
540001AX	263.51

(PG 53) UNCOATED Long Ball Mills 2FL	Customer Cost
530018B	10.46
530316C	12.69
530014A	17.78
530014C	18.40
530516A	22.43
530038A	24.52
530038B	31.15
530716A	38.17
530012A	43.57
530012B	43.88
530058A	90.68
530034A	136.42
530001A	253.29
(PG 53) UNCOATED Long Ball Mills 4FL	Customer Cost
540018B	10.46
540316C	12.69
540014A	17.78
540014C	18.40
540516A	22.43
540038A	24.52
540038B	31.15
540716A	38.17
540012A	43.57
540012B	43.88
540058A	90.68
540034A	136.42
540001A	253.29

(PG 54) ALTIM COATED Metric Endmills 4FL	Customer Cost
170MET035X	9.92
170MET040X	10.26
170MET045X	12.69
170MET050X	13.37
170MET060X	14.05
170MET070X	21.39
170MET080X	22.75
170MET090X	30.95
170MET100X	31.63
170MET110X	38.85
170MET120X	39.19
170MET140X	54.37
170MET160X	67.41
170MET180X	105.71
170MET200X	117.40
170MET250X	164.31

(PG 54) UNCOATED Metric Endmills 4FL	Customer Cost
170MET035	8.32
170MET040	8.66
170MET045	11.09
170MET050	11.78
170MET060	12.46
170MET070	17.55
170MET080	18.92
170MET090	26.06
170MET100	26.74
170MET110	33.56
170MET120	33.91
170MET140	47.59
170MET160	60.23
170MET180	97.29
170MET200	107.91
170MET250	152.43

(PG 55) ALTIM COATED BACK CHAMFER 3FL	Customer Cost
BCC014X	43.16
BCC014LX	52.07
BCC375X	60.25
BCC375LX	69.56
BCC012X	90.17
BCC012LX	99.09
BCC058X	142.51
BCC058LX	152.09
(PG 55) UNCOATED BACK CHAMFER 3FL	Customer Cost
BCC014	40.68
BCC014L	49.60
BCC375	56.56
BCC375L	65.87
BCC012	85.63
BCC012L	94.54
BCC058	135.91
BCC058L	145.49

(PG 56) BLACK OXIDE TOOL EXTENSIONS	Customer Cost
12501	94.05
18701	94.05
25001	94.05
31201	97.81
37501	97.81

(PG 57) UNCOATED ROTARY HEX BROACHES	Customer Cost
RPBH116	37.15
RPBH332	37.15
RPBH018	37.15
RPBH532	37.15
RPBH316	37.15
RPBH732	37.15
RPBH014	37.15
RPBH932	49.00
RPBH516	49.00

DUE TO THE FLUCTUATING CARBIDE COSTS, PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

***** ATTENTION *****

PAGE 58 CARBIDE TIPPED SLITTING SAW PRICING HAS GONE UP
 ALSO DELIVERY TIMES ARE NOW 2 - 6 WEEKS DEPENDING ON SAW STYLE
 PLEASE CALL FOR CURRENT PRICE AND DELIVERY