

CHROME BAR



Imported from Uranie International and other leading European manufacturers, our chrome bars deliver superior straightness, quality induction hardening, and outstanding corrosion resistance. Made from hot-rolled steel with a unique peeling process, Uranie bars offer unparalleled quality, excellent weldability, and tighter tolerances—giving equipment manufacturers the reliability they need with ultra-fast delivery from our large in-stock range.

Steel Grade	Dia Range	Yield Point (N/mm2)	Tensile Strength (N/mm2)	Elongation %
1045	16mm	> 340	> 620	> 10
	18-95mm	>305	580-850	> 16
	95-160mm	> 275	560-800	> 16
38MnVS6	16-160mm	> 520	800-950	> 12
4140	< 16mm	min. 750	1100-1200	> 8
	16-40mm	min. 750	1000-1200	> 11
	40-100mm	min. 700	900-1100	> 12
	100-200mm	min. 550	800-950	> 13

Mechanical Properties

Diameter Tolerance	Standard ISO f7
Surface Roughness	Ra: 0.07 – 0.20 micron
Straightness	0.20mm/m Max
Chromium Plating	Hardness: 900 HV 0.1
Induction Hardening	Hardness: minimum 55 HRC
Chromium Thickness	Minimum 20 micron
Corrosion Resistance	NSS Salt Spray Test 96 Hour Rating 10 / 312 Hour Rating 9

Induction Hardening Depth

16mm	0.5-1.0mm
18mm	1.0-2.0mm
42-80mm	1.25-2.5mm
82.55-125mm	2.0-3.0mm

38MnVS6 Chemical Analysis %

Carbon	Silicon	Manganese	Sulphur	Phosphorus	Vanadium	Chromium	Molybdenum	Nitrogen
0.34-0.41	0.15-0.80	1.20-1.60	< 0.035	< 0.025	0.08-0.20	< 0.30	< 0.08	0.01-0.02

Non-Induction Hardened High Tensile Chrome Bar

METRIC

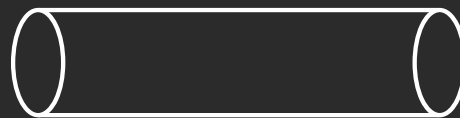
Description	Size (mm)	Kgs/Metre
42CrMo4 Chrome Bar	12.00	0.89
42CrMo4 Chrome Bar	15.00	1.39
42CrMo4 Chrome Bar	16.00	1.58
42CrMo4 Chrome Bar	18.00	2.00
38MnVS6 Chrome Bar	20.00	2.47
4140 Chrome Bar	22.00	2.98
38MnVS6 Chrome Bar	25.00	3.85
38MnVS6 Chrome Bar	28.00	4.83
38MnVS6 Chrome Bar	30.00	5.55
38MnVS6 Chrome Bar	32.00	6.31
38MnVS6 Chrome Bar	35.00	7.55
38MnVS6 Chrome Bar	36.00	8.00
4140 Chrome Bar	38.00	8.90
38MnVS6 Chrome Bar	40.00	9.86
38MnVS6 Chrome Bar	45.00	12.48
38MnVS6 Chrome Bar	50.00	15.41
38MnVS6 Chrome Bar	55.00	18.65
38MnVS6 Chrome Bar	56.00	19.33
38MnVS6 Chrome Bar	60.00	22.20
38MnVS6 Chrome Bar	63.00	24.47
38MnVS6 Chrome Bar	65.00	26.05
38MnVS6 Chrome Bar	70.00	30.20
38MnVS6 Chrome Bar	75.00	34.68
38MnVS6 Chrome Bar	80.00	39.46
38MnVS6 Chrome Bar	85.00	44.54
38MnVS6 Chrome Bar	90.00	49.94
38MnVS6 Chrome Bar	95.00	55.64
38MnVS6 Chrome Bar	100.00	61.65

Description	Size (")	Size (mm)	Kgs/Metre
42CRM04 Chrome Bar	1/2	12.70	0.99
42CRM04 Chrome Bar	5/8	15.875	1.55
38MnVS6 Chrome Bar	3/4	19.05	2.24
38MnVS6 Chrome Bar	7/8	22.225	3.05
38MnVS6 Chrome Bar	1	25.40	3.98
38MnVS6 Chrome Bar	1-1/8	28.575	5.03
38MnVS6 Chrome Bar	1-1/4	31.75	6.22
38MnVS6 Chrome Bar	1-3/8	34.925	7.52
38MnVS6 Chrome Bar	1-1/2	38.10	8.95
38MnVS6 Chrome Bar	1-5/8	41.275	10.50
38MnVS6 Chrome Bar	1-3/4	44.45	12.18
38MnVS6 Chrome Bar	1-7/8	47.625	13.98
38MnVS6 Chrome Bar	2	50.80	15.91
38MnVS6 Chrome Bar	2-1/4	57.15	20.14
38MnVS6 Chrome Bar	2-1/2	63.50	24.86
38MnVS6 Chrome Bar	2-3/4	69.85	30.08
38MnVS6 Chrome Bar	3	76.20	35.78
38MnVS6 Chrome Bar	3-1/4	82.55	42.01
38MnVS6 Chrome Bar	3-1/2	88.90	48.72
38MnVS6 Chrome Bar	3-3/4	95.25	55.93
38MnVS6 Chrome Bar	4	101.6	63.64

Description	Size (mm)	Kgs/Metre
38MnVS6 Chrome Bar Induction Hardened	20.00	2.72
38MnVS6 Chrome Bar Induction Hardened	25.00	4.24
38MnVS6 Chrome Bar Induction Hardened	30.00	6.11
38MnVS6 Chrome Bar Induction Hardened	32.00	6.31
38MnVS6 Chrome Bar Induction Hardened	35.00	8.31
38MnVS6 Chrome Bar Induction Hardened	36.00	8.31
38MnVS6 Chrome Bar Induction Hardened	40.00	7.99
38MnVS6 Chrome Bar Induction Hardened	45.00	10.85
38MnVS6 Chrome Bar Induction Hardened	50.00	13.73
38MnVS6 Chrome Bar Induction Hardened	55.00	16.95
38MnVS6 Chrome Bar Induction Hardened	56.00	20.52
38MnVS6 Chrome Bar Induction Hardened	60.00	21.26
38MnVS6 Chrome Bar Induction Hardened	63.00	24.41
38MnVS6 Chrome Bar Induction Hardened	65.00	26.92
38MnVS6 Chrome Bar Induction Hardened	70.00	29.66
38MnVS6 Chrome Bar Induction Hardened	75.00	33.23
38MnVS6 Chrome Bar Induction Hardened	80.00	38.15
38MnVS6 Chrome Bar Induction Hardened	85.00	43.41
38MnVS6 Chrome Bar Induction Hardened	90.00	48.99
38MnVS6 Chrome Bar Induction Hardened	95.00	54.93
38MnVS6 Chrome Bar Induction Hardened	100.00	61.20
38MnVS6 Chrome Bar Induction Hardened	105.00	67.82
38MnVS6 Chrome Bar Induction Hardened	110.00	74.77
38MnVS6 Chrome Bar Induction Hardened	115.00	82.06
38MnVS6 Chrome Bar Induction Hardened	120.00	89.68
38MnVS6 Chrome Bar Induction Hardened	120.00	97.66

Description	Size (")	Size (mm)	Kgs/Metre
38MnVS6 Chrome Bar Induction Hardened	5/8	15.88	2.24
38MnVS6 Chrome Bar Induction Hardened	7/8	22.23	3.36
38MnVS6 Chrome Bar Induction Hardened	1	25.4	4.38
38MnVS6 Chrome Bar Induction Hardened	1 1/4	31.75	6.84
38MnVS6 Chrome Bar Induction Hardened	1 3/8	34.925	8.27
38MnVS6 Chrome Bar Induction Hardened	1 1/2	38.1	9.84
38MnVS6 Chrome Bar Induction Hardened	1 3/4	44.45	13.40
38MnVS6 Chrome Bar Induction Hardened	2	50.8	17.50
38MnVS6 Chrome Bar Induction Hardened	2 1/4	57.15	22.15
38MnVS6 Chrome Bar Induction Hardened	2 1/2	63.5	27.34
38MnVS6 Chrome Bar Induction Hardened	2 3/4	69.85	33.09
38MnVS6 Chrome Bar Induction Hardened	3	76.2	39.38
38MnVS6 Chrome Bar Induction Hardened	3 1/4	82.55	46.21
38MnVS6 Chrome Bar Induction Hardened	3 1/2	88.9	53.60
38MnVS6 Chrome Bar Induction Hardened	3 3/4	95.525	61.88
38MnVS6 Chrome Bar Induction Hardened	4	101.6	70.00
38MnVS6 Chrome Bar Induction Hardened	4 1/4	107.95	79.03
38MnVS6 Chrome Bar Induction Hardened	4 1/2	114.4	88.60
38MnVS6 Chrome Bar Induction Hardened	5	127	109.38
38MnVS6 Chrome Bar Induction Hardened	5 1/2	139.7	132.35
38MnVS6 Chrome Bar Induction Hardened	6	152.4	157.51
38MnVS6 Chrome Bar Induction Hardened	6 1/2	165.1	168.04
38MnVS6 Chrome Bar Induction Hardened	7	177.8	194.90
38MnVS6 Chrome Bar Induction Hardened	7 1/2	190.5	223.73
38MnVS6 Chrome Bar Induction Hardened	8	203.2	254.55

CYLINDER TUBE



Our hydraulic cylinder tubes are ready to use with no additional ID processing required, delivering precise H8 tolerance and exceptional surface finish through expert honing.

Made from high-quality ST52 and E355 cold drawn seamless and hot finished tube, we also offer a select range of unhoned options, perfect for machine-specific honing needs and fast, reliable performance.

Why Use VH Steels?

Our tubes are sourced from our quality European supplier, Alta, with strict control measures for improved quality. Alta's T5 Line produces superior quality honed hydraulic cylinder tubes, all finished with the patented Alta finish inside bore.

The T5 focus' on DOM Electro Welded Tubes in the size range ID 45mm up to Max ID 110mm with a 7.5mm Wall.

Mechanical Properties

Straightness	1mm/1000m or better
	0.5/1000mm for welded tubes within dimensional range OD 50mm to OD 115mm with wall thickness 4mm to 7.5mm
ID Tolerance	H8 or H9
European Norm	ENI 0305-1 Seamless
European Norm	EN 10305-2 Welded
Surface Roughness	0.30 micron maximum
Test Certification	Acc ENI 0204:2004/3.1

Chemical Analysis %

Carbon	Manganese	Phosphorous	Silicon	Sulphur
0.25	0.30-0.90	0.40	0.35	0.50

Cylinder Tube – Inside Honed H8

METRIC

ID	OD	WT	Kgs/Metre
25	35	5	3.7
30	40	5	4.32
35	45	5	4.93
40	50	5	5.55
45	55	5	6.17
50	60	5	6.78
50	65	7.5	10.64
55	70	7.5	11.56
60	75	7.5	12.48
63	75	6	10.21
65	80	7.5	13.41
70	80	5	9.25
70	85	7.5	14.33
75	90	7.5	15.26
75	95	10	20.96
80	92	6	12.73
80	95	7.5	16.18
80	100	10	22.2
80	105	12.5	28.51
85	100	7.5	17.11
85	105	10	23.43
90	105	7.5	18.03
90	110	10	24.66
95	115	10	25.89
95	120	12.5	33.14
100	120	10	27.13
100	125	12.5	34.68
105	125	10	28.36
110	125	7.5	21.73

ID	OD	WT	Kgs/Metre
110	130	10	29.59
110	140	15	46.24
115	130	7.5	22.66
115	135	10	30.83
115	140	12.5	39.3
120	140	10	32.06
120	145	12.5	40.85
125	150	12.5	42.39
130	155	12.5	43.93
130	160	15	53.64
135	160	12.5	45.47
140	160	10	36.99
140	170	15	57.34
150	180	15	61.04
155	170	7.5	30.06
160	190	15	64.74
160	195	17.5	76.6
165	200	17.5	78.76
170	200	15	68.44
170	210	20	93.71
180	210	15	72.13
180	220	20	98.65
200	230	15	79.53
200	245	22.5	123.46
200	250	25	138.72
210	245	17.5	98.18
220	260	20	118.38
230	270	20	123.31
250	300	25	169.55

ID (")	ID (mm)	OD (")	OD (mm)	WT (")	Kgs/Metre
1 1/2	38.10	1 3/4	44.45	1/8	3.23
1 1/2	38.10	1 7/8	47.62	3/16	5.04
1 1/2	38.10	2	50.80	1/4	6.96
2	50.80	2 3/8	60.32	3/16	6.51
2	50.80	2 1/2	63.50	1/4	8.95
2 1/4	57.12	2 3/4	69.85	1/4	9.94
2 1/2	63.50	2 7/8	73.02	3/16	8.02
2 1/2	63.50	3	76.20	1/4	10.94
2 3/4	69.85	3 1/4	82.55	1/4	11.93
3	76.20	3 1/2	88.90	1/4	12.93
3	76.20	3 3/4	95.25	3/8	20.14
3 1/4	82.55	3 3/4	95.25	1/4	13.92
3 1/4	82.55	4	101.60	3/8	21.63
3 1/2	88.90	4	101.60	1/4	14.92
3 1/2	88.90	4 1/4	107.95	3/8	23.12
4	101.80	4 1/2	114.30	1/4	16.91
4	101.80	4 3/4	120.65	3/8	26.1
4	101.80	5	127.00	1/2	35.8
4 1/4	107.95	4 3/4	120.65	1/4	17.9
4 1/4	107.95	5	127.00	3/8	27.59
4 1/2	114.30	5	127.00	1/4	18.89
4 1/2	114.30	5 1/4	133.35	3/8	29.09
4 1/2	114.30	5 1/2	139.70	1/2	39.78
4 3/4	120.65	5 1/4	133.35	1/4	19.89
5	127.00	5 1/2	139.70	1/4	20.88
5	127.00	5 3/4	146.05	3/8	31.98
5	127.00	6	152.40	1/2	43.75
5 1/2	139.70	6 1/8	155.57	5/16	28.89
5 1/2	139.70	6 1/4	158.75	3/8	35.05
5 1/2	139.70	6 1/2	165.10	1/2	47.73

Cylinder Tube – Inside Honed H8

IMPERIAL

ID (")	ID (mm)	OD (")	OD (mm)	WT (")	Kgs/Metre
6	152.40	6 1/2	165.10	1/4	24.86
6	152.40	6 3/4	171.45	3/8	38.04
6	152.40	7	177.80	1/2	51.71
6 1/2	165.10	7 1/2	190.50	1/2	55.69
7	177.80	8	203.20	1/2	59.66
7 1/2	190.50	8 1/2	215.90	1/2	63.64
8	203.20	9	228.60	1/2	67.62
9	228.60	10	254.00	1/2	75.58
10	254.00	12	304.80	25.5	175.77