

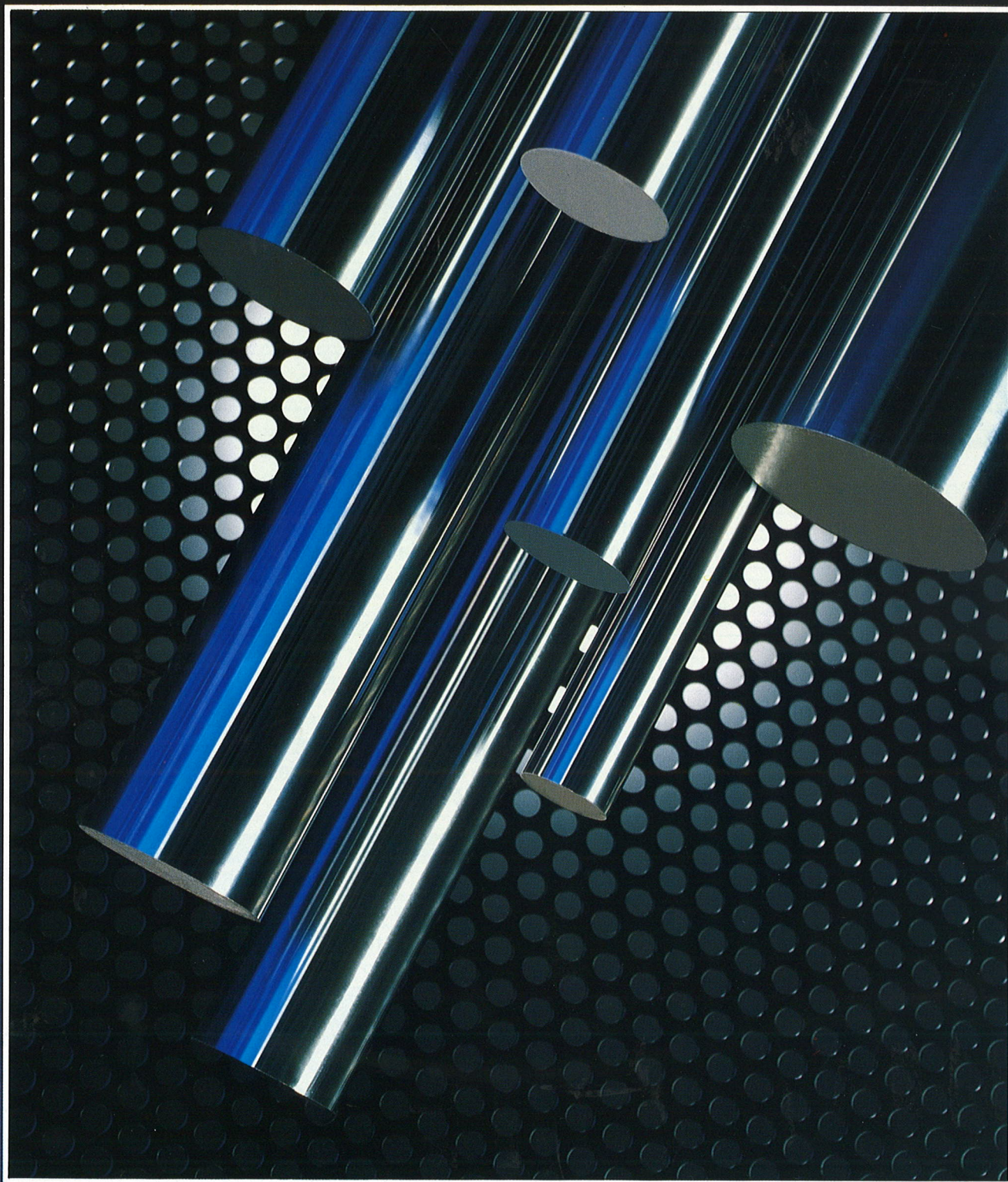


Cert. No. 96/8536

FLO-LINE

HYDRAULICS

— HARD CHROMIUM-PLATED —
— STEEL BARS —



Stock Range

Types	Hard Chrome Plated Steel Bars (CPO) Induction Hardened Chrome Plated Bars (IHCP)
Metric Size	Diameters from 16 mm to 200 mm
Imperial Size	Diameters from 7/8" to 8.0"
Standard Length	3 m to 7.5 m
Delivery Length	On application, cutting to specified length or in random of 3m to 7.5m
Packing	Individually cardboard tubes
Mill Certification	If required, please request at time of ordering

IHCP and CPO Specifications

Standard Plate Thickness	0.005" Minimum (0.127mm) Hard Chrome Plated per side.
Hardness of Chrome Plate	HRc 69-71
Surface Finsh	RMS - 12 Maximum (0.305 micrometer)
Identification	Colour code at ends of bar : Induction Hardened Bar (Metric) : Gold Induction Hardened Bar (Imperial) : Green Hard Chrome Plated Bar (Metric) : Orange Hard Chrome Plated Bar (Imperial) : Blue
IHCP Surface Hardness	Rc 50 minimum
IHCP Case Depth	0.05" minimum (1.27mm) effective case depth unless otherwise specified.
Tolerance	Sizes from 7/8" (22.22mm) to less than 2-1/2 (63.5mm)-0.0015" (0.0381mm) Sizes from 2-1/2" (63.5mm) to 3" (76.20mm)-0.002" (0.05mm) Sizes over 3" (76.20mm) to 4" (101.6mm) - 0.003" (0.0762mm) Sizes over 4" (101.6mm) - 0.004" (0.127mm)

Chemistry (AISI/SAE)	Yield Strength (PSI)	Size Range
1045 / 1050	50,000 Psi Appro. 345 Mpa	5.0" to 8.0" or 150 mm to 180 mm
1045 / 1050	75,000 Psi Appro. 517 Mpa	1.0" to 4.5" or 16 mm to 140 mm
1045 / 1050	100,000 Psi Appro. 690 Mpa	7/8" to 4.5" or 16 mm to 100 mm

Specifications of material are subject to change from manufacturer without notice.

Stocking Programme

The majority of sizes in the standard stocking programme are generally available from stock and can be ordered in any quantity, large or small.

Special sizes are available on request.

Inches	Metric	Weight (Kg/m)	CPO - Chrome Plated Only	IHCP - Induction Hardened
	16.00	1.58	•	•
	18.00	2.00	•	•
	20.00	2.47	•	•
	22.00	2.98	•	•
7/8"	22.22	3.04		•
	25.00	3.85	•	•
1"	25.40	3.98	•	•
	28.00	4.83	•	•
	30.00	5.55	•	•
1-1/4"	31.75	6.21	•	•
	32.00	6.31	•	•
1-3/8"	32.92	6.68	•	•
	35.00	7.55	•	•
	36.00	7.99	•	
1-1/2"	38.10	8.95	•	•
	40.00	9.86	•	•
1-3/4"	44.45	12.18	•	•
	45.00	12.48	•	•
	50.00	15.41	•	•
2"	50.80	15.91	•	•
	55.00	18.65	•	•
	56.00	19.33	•	
	60.00	22.20	•	•
	63.00	24.47	•	
2-1/2"	63.50	24.86	•	•
	65.00	26.05	•	•
2-3/4"	69.85	30.08	•	•
	70.00	30.21	•	•
	75.00	34.68	•	•
3"	76.20	35.80		
	80.00	39.46	•	•
3-1/2"	88.90	48.73	•	•
	90.00	49.94	•	•
	95.00	55.64	•	•
	100.00	61.65	•	•
4"	101.60	63.64	•	•
	110.00	74.60	•	•
4-1/2"	114.30	80.55		•
	120.00	88.78	•	•
	125.00	96.33	•	•
5"	127.00	99.44	•	•
	130.00	104.20	•	•
	140.00	120.85	•	•
	150.00	138.72	•	•
6"	152.40	143.20	•	•
	160.00	157.83	•	•
7"	177.80	194.90	•	•
	180.00	199.76	•	•
	200.00	246.61	•	•
8"	203.20	254.57		•

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HYDRAULICS

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