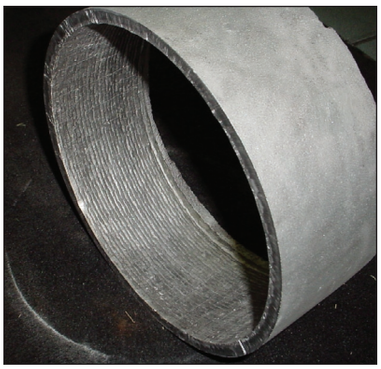
Dimension 1 Plate, Pipes and Elbows

Excellent Abrasion Resistance

Dimension 1 (CrC7735) plate has an average 35% alloy composition in a tough austenitic matrix, clad to a mild steel backing. Its carbide content, composition and wear life exceed typical chrome carbide plates and works great in situations where there is significant abrasion and some impact. It can easily be fabricated to fit most applications.



Superior Advantages

- Bulk hardness: Rc 58-62
- High carbide content (an average of 35%+) provides excellent abrasion and some impact wear resistance – reduces labor and replacement costs
- Extremely flat for applications where close tolerances are necessary
- Uniform bead deposits with no high spots
- Austenitic matrix for impact and corrosion resistance
- Dimension 1 Single Pass plates provide better impact resistance than MKII plates

Applications

- Chutes and conveyors for transporting mid-sized rocks
- Mining and aggregate truck beds
- Auger flights

Dimension 1 Plate

Description	Carbide (%)	Total Thickness (Inches)	Overlay Thickness (Inches)	Mild Steel Thickness (Inches)	Plate Width (Inches)	Plate Length (Inches)	Plate Weight per Sq. Ft. (Lbs.)	Plate Weight (Lbs.)	Part No. Plate	Part No. Per Lb.	Pkg. Qty.
Single Pass Overlay	30	3/8	.13	.25	48	96	16	512	**VP2605B**	**VP2605**	1
	30	3/8	.19	.19	48	96	16	512	**VP2610B**	**VP2610**	1
	30	1/2	.25	.25	48	96	21.5	688	**VP2615B**	**VP2615**	1
	30	5/8	.25	.38	48	96	26.6	851	**VP2616B**	**VP2616**	1
	30	3/4	.25	.50	48	96	31.7	1,014	**VP2617B**	**VP2617**	1
Double Pass Overlay	39	1/2	.25	.25	48	96	21.5	688	**VP2620B**	**VP2620**	1
	39	3/4	.38	.38	48	96	43	1,031	**VP2625B**	**VP2625**	1
	39	1	.5	.5	48	96	43	1,376	**VP2630B**	**VP2630**	1

Dimension 1 Pipe and Elbows

Pipe Size (Inches)	I.D. (Inches)	O.D. Pipe/Elbow (Inches)	Wall Thickness (Inches)	Overlay Thickness Pipe/Elbow (Inches)	Pipe Maximum Section Length (Ft.)	Part No. Pipe	Part No. 45° Elbow	Part No. 90° Short* Elbow	Part No. 90° Long* Elbow	Pkg. Qty.**
2	2	2.4	.154	.125/.188	5	**CW2502**				1
3	3	3.5	.216	.125/.188	5	**CW2503**	**CW2455**	**CW2465**	**CW2475**	1
4	4	4.5	.237	.125/.188	5	**CW2504**	**CW2456**	**CW2466**	**CW2476**	1
5	5	5.7	.258	.125/.188	5	**CW2505**	**CW2457**	**CW2467**	**CW2477**	1
6	6	6.6	.280	.125/.188	10	**CW2506**	**CW2458**	**CW2468**	**CW2478**	1
8	8	8.6	.322	.188	20	**CW2508**	**CW2459**	**CW2469**	**CW2479**	1
10	10	11/10.75	.365	.188	20	**CW2510**	**CW2460**	**CW2470**	**CW2480**	1
12	12	13/12.75	.375	.188	20	**CW2512**	**CW2461**	**CW2471**	**CW2481**	1
14	–	14	.375	.188	20	**CW2514**	**CW2462**	**CW2472**	**CW2482**	1
16	–	16	.375	.188	20	**CW2516**	**CW2463**	**CW2473**	**CW2483**	1
18	–	18	.375	.188	20	**CW2518**	**CW2464**	**CW2474**	**CW2484**	1

Based on industry standards, pipe sizes are measured by the I.D. up to 12" in diameter.

Pipe sizes larger than 12" dia. are measured by O.D. Normal lead time is 3 weeks.

**SHORT denotes short radius, LONG denotes long radius. Measuring from the centerline of the bend to the outside of the pipe, the short radius is the same as the pipe size. The long radius is 1.5 times the pipe size. Therefore, a long radius pipe is larger than a short radius pipe.*

***Pkg. Qty. for pipe is per foot; elbows are per each.*