

ROLLING MILL

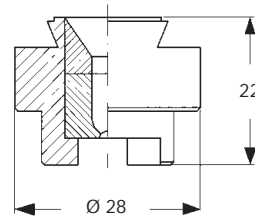
GW

NOZZLE TIPS / CLASSIC DESIGN

For a long time the worldwide standard in hot descaling of steel strips, they have undergone sensible improvements specially on the inner orifice profile which produces a very even distribution of the water jet impact onto the steel surface.

Their typical design with a dove-tail coupling between nipple and nozzle tip assures for correct alignment of the nozzles onto the spray manifold.

Several nipples length values and a specific locknut allow a wide choice of different assembly dimensions.



Materials	Body	B1	AISI 303 Stainless Steel
	Tip	C1	AISI 420 Hardened Stainless Steel
		F1	Tungsten Carbide

GWL	GWF	GWL	Tip Code	D mm	D1 mm	Capacity at different pressure values (lpm) (bar)							
						80	90	100	120	140	160	180	200
●	●	●	2162xx	2.0	1.5	16.2	17.1	18.0	19.5	21.3	22.8	24.0	25.0
●	●	●	2208xx	2.1	1.8	20.8	21.8	23.0	25.2	27.2	29.1	30.8	35.5
●	●	●	2250xx	2.5	1.9	25.0	26.5	28.0	31.0	33.0	35.4	37.5	39.0
●	●	●	2320xx	2.8	2.4	32.0	34.2	36.0	39.4	42.6	45.5	48.3	50.9
●	●	●	2402xx	3.0	2.5	40.2	42.7	45.0	49.0	53.0	57.0	60.0	63.0
●	●	●	2520xx	3.5	2.7	52.0	55.0	58.0	63.5	68.6	73.3	77.8	82.0
●	●	●	2642xx	3.8	3.2	64.2	68.3	72.0	78.0	85.0	91.0	96.0	101
●	●	●	2798xx	4.3	3.6	79.8	84.4	89.0	98.0	105	112	119	126
●	●	●	2996xx	4.7	4.0	99.6	106	112	122	132	141	150	158
●	●	●	3112xx	5.0	4.2	112	119	125	137	148	158	168	177
●	●	●	3120xx	5.2	4.4	120	127	134	147	158	169	180	189

CODE	ANGLE
GWE	26°
GWF	30°
GWL	40°

IMPACT DISTRIBUTION DIAGRAMS

Optimum performance in any descaling operation can only be obtained using proper nozzle design.

A precise nozzle capacity value, kept under tight tolerances, assures process uniformity on the steel strip width.

A properly designed inside nozzle profile assures the high impact value required.

High precision manufacturing maintains the impact value uniform all along the spray width.

PNR descaling nozzle inserts, used to fit all our models of descaling nozzles, are systematically tested to assure their high performance level is maintained.

