

METSELL

Rolls and Accessories for Flat Mill & Steel Processing Industry



www.metsell.com

info@metsell.com

+8801712 576914, +1508 762 8784,
+971 54 592 6591, +86 13761376981



ABOUT US

Welcome to **METSELL**!

At **METSELL**, we are dedicated to providing high-quality solutions for the metal processing industry. With years of expertise, we specialize in supplying a comprehensive range of products, including Sink and Stabilizing Rolls, Hearth Rolls, Canalloys products, parts for galvanizing lines, and specialized bushes for Sink and Stabilizer Rolls.

Our commitment to excellence drives us to source and deliver only the best materials and components, ensuring optimal performance and longevity for your operations. We understand the critical role our products play in your manufacturing processes, and we strive to exceed your expectations with every order.

Our team of knowledgeable professionals is passionate about customer service, ready to assist you in finding the right solutions tailored to your specific needs. We pride ourselves on building strong, lasting relationships with our clients, empowering them to achieve their goals with the support of our innovative products.

At **METSELL**, we believe in continuous improvement and staying ahead of industry trends. This dedication allows us to provide cutting-edge solutions that enhance productivity and efficiency.

Partner with **METSELL** for reliable products and exceptional service. Together, let's drive your success in the metal processing industry!

SINK ROLL AND STABILIZING ROLL

Sink roll and **S**tabilizer roll are the important components in CGL lines. **T**hey are widely used in galvanizing.

Sink roll and stabilizer roll chemical compositions are as follows:

SL. No.	Element	Chemical Composition
1	C	≤ 0.03%
2	P	≤ 0.025%
3	Ni	13.0% - 15%
4	Mn	1.50% - 2.00%
5	S	≤ 0.03%
6	Mo	2.0 - 2.25%
7	Si	0.50% - 1.00%
8	Cr	16.0% - 18.0%

- Sink roll hot-dipping life: 20-25 days.
- Single sink roll total working life: 110-130 days.
- Sink roll barrel wall thickness: 19-50 mm.
- The surface of the sink roll barrels are grooved or drilling holes.
- Adding 4-5% chromium nitride and 1% rare earth elements to the molten metal before casting.
- Heat treatment will be done after roll semi-finished machining before finish machining.
- Heating 10 to 12 hours to make sink roll temperature increased into 1050 °C. To keep sink roll temperature at 1050°C constantly not less than 3 hours, then quench hardening by water.



Sink Roll



Stabilizer Roll



Arm



Assembly of Rolls with Arms for Zinc Kettle Applications

HEARTH ROLL

Hearth Roll Chemical Composition As Below:

Description	Metarials
HEARTH ROLL	Cr33Ni50w17 Cr25Ni35

Roll Berrel Metarials Cr33Ni50W17 Chemical Composition As Below (%):

C	Si	Mn	S	P	Cr	Ni	W
0.15-0.25	≤ 0.3	≤ 0.3	≤ 0.04	≤ 0.04	32.0 - 34.0	48.0 - 52.0	15-17

Roll shaft and Journal Metarials is Cr25Ni35, Chemical Composition As Below (5):

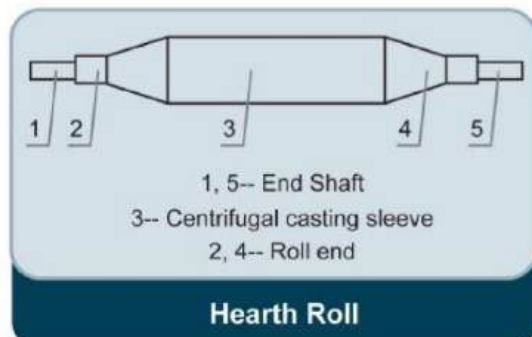
Steel Grade	Metarials
GX40CrNiSiNb35-25	DIN Nr.1.4852

Roll Berrel Metarials Cr33Ni50W17 Chemical Composition As Below (%):

C	Si	Mn	P	S	Cr	Ni	Balance
0.3-0.5	1.0 - 2.5	≤ 1.5	≤ 0.035	≤ 0.035	24.0 - 26.0	34.0 - 36.0	0.8 - 1.8



Hearth Roll



Hearth Roll

Canalloy Products for Hot Dip Galvanizing Line

Grade	Chemical Compositions%										Physical properties at Room Temperature	
	C	Mn	Si	Cr	Ni	Mo	W	Co	Fe	Other	Density g/cm ³	Harness HRC
Stellite 4	0.80-1.20	1.00	1.00	28.0-32.0	3.00	1.50	12.5-15.5	Bal.	3.00	P.03Max S.03Max	8.56	40 - 50
Stellite 6	0.90-1.40	1.00	1.50	27.0-31.0	3.00	1.50	3.50-5.50	Bal.	3.00	P.03Max S.03Max	8.40	38 - 44
Stellite 12	1.10-1.70	1.00	1.00	28.0-32.0	3.00	-	7.00-9.50	Bal.	3.00	P.03Max S.03Max	8.40	44 - 49
Triballoy T800	≤0.1	-	≤3.5	16.5-18.5	-	27.5-29.5	-	Bal.	-	P.03Max S.03Max	8.50	54 - 62



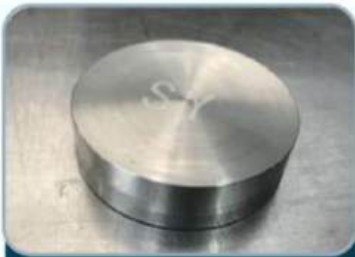
Bush for Sink Roll



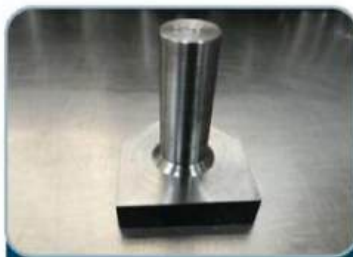
Sleeve for Sink Roll



Spherical Cap



Stop



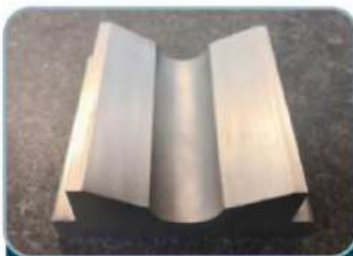
End Stop



Bearing V-Blocks



Sleeve



T800 V Blocks



Threaded Rods

Customized Parts of Galvanizing Line



T800 Bushes for Sink Roll & Stabilizer Roll



Miscellaneous Rolls for Processing Lines of Steel Industry



Bridle Rolls with Tungsten Carbide



Bridle Rolls with Tungsten Carbide



PU Coated Roll



Hypalon Coated Roll



Defector Roll



Various Kinds of Roll



Our Global Presence



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