

APPLICATION OF OUR PRODUCTS IN CONSTRUCTION WORK

MEIN, based on its long history as a foundry producing parts for a wide range of applications within construction work projects, generates an extensive range of steel solutions for markets such as:

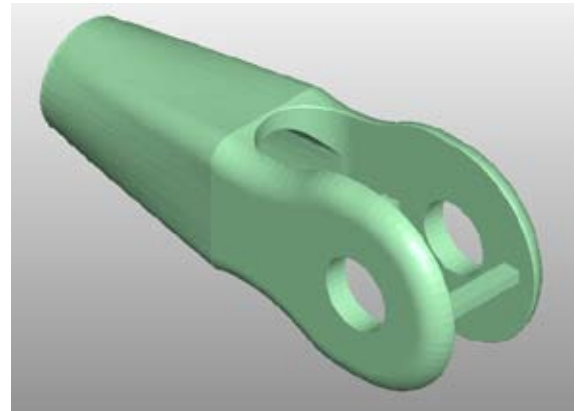
Construction of structures

At **MEIN** we work closely with the main companies defining projects in fields such as:

- a) Bridges
- b) Roofs for stadiums

We supply steel parts for joining and support purposes.

The materials normally used are:



Carbon and Alloy Steels

Name	Basic chemical composition										Properties	Equivalents
	%C	%Mn	%Si	%P	%S	%Cr	Mo	Ni	V			
GS-45	0,20	0,80	0,35	0,025	0,025						R>45 Kg/mm ²	ASTM A27 Grade 65-35
GS-60	0,40	0,80	0,35	0,025	0,025						R>60 Kg/mm ²	
GS-C25	0,23	0,8	0,6	0,020	0,015						R>50 Kg/mm ²	ASTM A216 WCA ASTM A216 WCC
GS-20 Mn 5	0,23	1,5	0,6	0,020	0,015						R>55 Kg/mm ²	
GS-42 Cr Mo 4	0,45	1	0,5	0,020	0,015	1	0,25				R>85 Kg/mm ²	
GS-15 Ni Mo Cr 3.6	0,22	1	0,60	0,020	0,015	0,80		0,6			R>70 Kg/mm ²	
GS-24 Mn 6	0,40	1,80	0,60	0,020	0,02						R>65 Kg/mm ²	SEW 520
GS-30 Cr Mo V6-4	0,30	0,8	0,6	0,020	0,015	1,5	0,4	0,10			R>85 Kg/mm ²	SEW 515
GS-22 Ni Mo Cr 5-6	0,20	1	0,6	0,015	0,015	0,8	0,6	1			R>100 Kg/mm ²	SEW 520
GS-25 Cr Mo 4	0,25	0,8	0,6	0,020	0,015	1	0,25				R>90 Kg/mm ²	ASTM A752 Grade 41-30

Stainless Steels

Name	Basic chemical composition					Properties	Equivalents
	%C	%Mn	%Ni	%Cr	%Mo		
GX-5 Cr Ni	<0,08	<1,5	8-	18-	0,5	R>45 kg/mm ² , A>=35	ASTM A351 Grade CF-8
GX-12 Cr	<0,15	<1,0	<1,0	11,5-		R>63 kg/mm ² , A>=18	ASTM A351 Grade CA-
GX-5 Cr Mo	<0,08	<1,5	9-	18-	2-	R>45 kg/mm ² , A>=30	ASTM A351 Grade CF-
GX-2 Cr Mo	<0,03	<1,5	12-	17-	2,5-	R>45 kg/mm ² , A>=30	ASTM A351 Grade CF- 3M
Duplex 1.4462-1.4470	<0,03	<2	4,5-6,5	21-23	2,5-3,5	700MPa<C.R<900MPa	
Superduplex A 890	<0,03	<1,5	6-8	24-26	4-5	C.R>690MPa	

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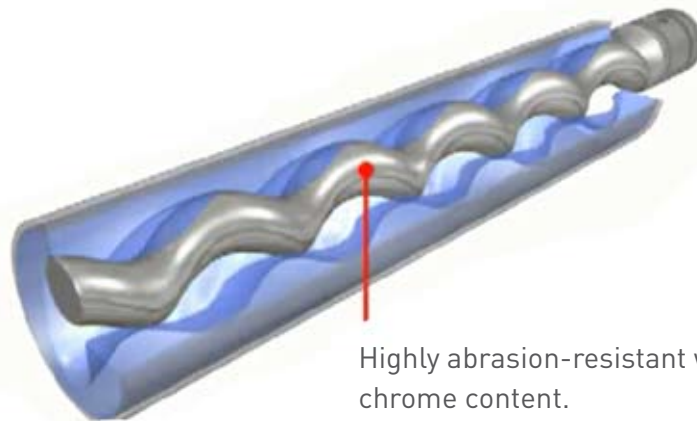
Rotors for fine concrete gunite machines

We are the main suppliers of the world's largest companies for rotor parts for fine concrete gunite machines.

In our facilities, we have specific mechanical machinery for this type of parts which enables us to have absolute control of the material which we are supplying.

We also boast an extensive stock, which enables us to supply different rotor machinery manufacturers within 24 hours.

The pumping method used in this type of gunite machines is basically a helical pump system (Rotor/Stator).



Highly abrasion-resistant white cast rotor with high chrome content.

The advantages of this system in relation to piston pneumatics and hydraulics lies in the constant output of the concrete, as well as its simplicity in terms of parts of the machine and its maintenance in the event of wear.

Wear-resistant Steels and Castings

Name	Basic chemical composition							Properties	Equivalents
	%C	%Mn	%Ni	%Cr	%Mo	V	S		
GX-280 Cr Mo Ni 20.2.1	2,80	0,80	0,90	20,00	2,00			>60 HRc	ASTM A532 CL II E
GX-340 Cr Mo 27.2	3,40	0,80		28,00	2,00			>62 HRc	
GX-300 Cr 13	3,00	0,60		13,00				>45 HRc	ASTM A532 CL II A
GX-200 Cr 13	1,80	0,30		13,00				>58 HRc	
GX-165 Cr Mo V 12	1,65	0,30		13,00	1,00	0,25		>58 HRc	
GX-300 Ni Cr 4.2	3,00	0,60	4,00	2,00				>54 HRc	ASTM A532 CL I A, B, C
GX-300 Cr Ni Si 9.5.2.	3,00	0,60	6,00	8,00			<=2,00	>58 HRc	ASTM A532 CL I D
Selfhardennng	0,35	0,60	4,00	1,30	0,40			>50 HRc	
Cr-Mo Steel	0,40	0,700,80		3,00	0,50			>48 HRc	
GX 260 Cr 27	2,60			27				>55 HRc	ASTM A-532-CL III A