



## Fiche technique / Fonte d'acier selon DIN EN 1681

Norme	Analyse chimique										Propriétés mécaniques					
	DIN	%C max	%Si max	%Mn max	%P max	%S max	%Cr max	%Ni max	%Mo max	%V max	%Cu max	Rp 02 (N/mm <sup>2</sup> )	Rm (N/mm <sup>2</sup> )	A (%)	Z (%)	HB (HB)
1681 GS-38	0.15	0.45/0.60	0.20/0.50	0.040	0.040	0.25	0.40	0.15	-	0.30	205	415/485	25	40	-	35
1681 GS-45.3	0.15/0.20	0.45/0.60	0.50/0.70	0.040	0.040	0.25	0.40	0.15	0.030	0.30	230	450	25	45	120/165	35
1681 GS-52	0.18/0.23	0.45/0.60	0.75/0.95	0.040	0.040	0.30	0.40	0.15	0.030	0.30	280	520/655	22	35	145/190	28
1681 GS-60	0.27/0.32	0.45/0.60	0.75/0.95	0.040	0.040	-	-	-	-	-	320	600	18	30	165/215	22
1681 GS-70	0.42/0.48	0.45/0.60	0.70/0.90	0.035	0.035	0.25	0.30	0.10	0.020	0.20	400	686	14	18	-	20
17210 GS-20MnCr5	0.17/0.22	0.40	1.10/1.40	0.035	0.035	1.00/1.30	-	-	-	-	-	-	-	-	150/200	-
17210 GS-20Cr4	0.20	0.35/0.50	0.60/0.70	0.035	0.035	0.95/1.10	-	-	-	-	-	-	-	-	140/190	-
17210 GS-16MnCr5	0.15/0.17	0.40	1.00/1.20	0.035	0.035	0.85/1.00	-	-	-	-	-	-	-	-	<200	-
17205 GS-30Mn5	0.30/0.35	0.15/0.35	1.20/1.40	0.035	0.025	0.30	0.60	0.28/0.32	-	-	350	580	18	55	217	32
17243 GS-20Mn5	0.17/0.23	0.30/0.55	1.00/1.30	0.030	0.030	0.30	0.40	0.15	-	0.30	390	540/690	22	50	-	59
50Mn7	0.46/0.52	0.40	1.40/1.50	0.035	0.035	-	-	-	-	-	-	-	-	-	-	-
EN10213-2 G17CrMo5-5	0.15/0.20	0.30/0.55	0.50/0.75	0.030	0.030	1.00/1.30	0.30	0.45/0.55	-	0.30	280	480	20	35	-	30
17205 GS-25CrMo4	0.24/0.29	0.30/0.50	0.60/0.80	0.030	0.030	0.95/1.20	0.30	0.20/0.30	0.04	0.30	380	580	16	-	-	27
17205 GS-34CrMo4	0.34/0.37	0.30/0.40	0.75/0.85	0.035	0.035	1.05/1.20	-	0.25/0.30	-	-	520	750	12	-	-	20
17205 GS-42CrMo4	0.41/0.44	0.30/0.45	0.70/0.85	0.025	0.020	1.05/1.15	-	0.24/0.28	-	-	580	780	10	-	217	12
SEW550 32CrMo12	0.29/0.34	0.10/0.40	0.45/0.65	0.030	0.030	2.90/3.25	-	0.32/0.40	-	-	-	-	-	-	<248	-
17205 GS-30CrMoV6 4	0.27/0.34	0.20/0.60	0.60/1.00	0.020	0.015	1.30/1.70	-	0.30/0.50	0.050/0.15	-	-	-	-	-	-	-
EN10213-2 G17CrMo9-10	0.17	0.55	0.45/0.65	0.035	0.035	2.05/2.45	0.35	0.92/1.05	-	0.25	-	-	-	-	-	-
17230 48CrMo4	0.46/0.49	0.30/0.50	0.90/0.97	0.025	0.035	0.95/1.10	-	0.25/0.28	-	0.27	-	-	-	-	-	-
GS-X30NiCrMo4	0.29/0.32	0.30/0.50	0.70/0.90	0.035	0.035	0.50/0.70	0.90/1.10	0.25/0.35	-	-	-	-	-	-	-	-
17200 GS-34CrNiMo6	0.32/0.38	0.10/0.35	0.50/0.70	0.030	0.030	1.40/1.70	1.40/1.70	0.20/0.30	-	-	-	-	-	-	-	-
GS-30NiCrMo6 3 3	0.28/0.32	0.40/0.60	0.70/0.85	0.030	0.030	1.00/1.15	1.65/2.00	0.32/0.37	-	-	-	-	-	-	320/370	-
17210 GS-17NiCrMo6	0.15/0.20	0.15/0.40	0.40/0.60	0.035	0.035	1.50/1.70	1.40/1.70	0.25/0.35	-	-	-	-	-	-	-	-
61CrSiV5	0.59/0.63	0.75/0.90	0.70/0.85	0.030	0.030	1.10/1.25	-	-	0.08/0.10	-	-	-	-	-	<220	-
WW 14NiCr14	0.10/0.15	0.20/0.35	0.45/0.60	0.030	0.030	0.70/0.95	3.40/3.75	-	-	-	835	1030/1320	9	40	230	50
17465 G-X30CrSi6	0.22/0.28	1.10/2.00	0.55/0.95	0.040	0.030	6.20/7.80	-	-	-	-	-	490/740	4	-	200/280	-
17440 X10Cr13	0.08/0.12	1.00	1.00	0.040	0.030	12.00/13.50	1.00	0.50	-	0.30	450	620/800	18	55	<241	-
17440 X6Cr17	0.12	1.00	1.00	0.040	0.030	16.00/18.00	-	-	-	-	270	450/600	20	60	185	-
17440 X20CrNi17 2	0.12/0.20	1.00	1.00	0.035	0.025	15.50/17.00	1.50/2.20	-	-	-	550	750/950	14	45	225/275	20
G-X 4 CrNiCuNb16 4	0.06	1.00	0.70	0.035	0.030	15.50/16.70	3.60/4.60	0.30	-	3.00/3.35	965	1035	9	-	280/400	-
X110 CrMoV15	1.10/1.15	0.90	0.90	0.035	0.030	15.20/16.00	0.30	0.48/0.52	0.12/0.17	-	-	-	-	-	60/63	-
17445 G-X20Cr14	0.18/0.22	1.00	1.00	0.040	0.030	12.60/13.90	1.00	-	-	-	>440	590/790	>12	-	170/240	-
G-X5CrMo292	0.32/0.45	0.80	0.80	0.040	0.030	28.20/29.50	0.80	2.10/3.00	-	0.85/1.15	-	250/500	-	-	240/290	-
SEW 400 X105CrMo17	0.96/1.060	0.90	0.90	0.030	0.025	16.20/17.00	0.30	0.42/0.52	-	-	-	-	-	-	285	-
17445 G-X 6CrNi18 9	0.070	0.70/0.90	0.60/0.75	0.035	0.030	18.00/19.00	9.10/10.50	-	-	-	215	485	35	-	130/200	41(-196°C)
17445 G-X 5 CrNi134	0.060	1.00	1.00	0.035	0.030	11.60/12.50	3.50/4.00	0.40/0.60	-	-	620	770/930	15	-	240/300	-
17445 G-X6CrNiMo18 10	0.070	0.70/0.90	0.60/0.75	0.040	0.030	18.20/19.80	10.20/11.80	2.50/3.00	-	-	240	485/640	35	-	130/200	34(-196°C)
SEW400 X4CrNiMo27 5 2	0.10	0.75	1.00	0.035	0.030	24.00/26.00	4.60/6.00	1.30/1.80	-	-	450	600/800	20	-	190/230	55
17440 X6CrNiMoTi17 12 2	0.070	0.90	1.50	0.040	0.030	17.00/18.00	11.00/12.00	2.10/2.45	-	0.4/0.8(Ti)	215	510/740	35	50	130/190	85
X10CrNiMoNb1812	0.080	0.90	1.50	0.040	0.030	17.00/18.00	12.50/13.50	2.60/2.95	-	0.8/1.0(Nb)	225	490/740	40	50	130/190	-
SEW410 G-X 2 CrNiMoN18 10	0.030	0.70/0.90	0.60/0.75	0.040	0.030	18.20/19.80	10.20/11.80	2.50/2.90	-	-	-	-	-	-	-	-
SEW410 G-X 3 CrNiMoCuN 26 6 3 3	0.040	1.00	2.00	0.030	0.020	24.70/26.30	5.20/6.80	2.55/3.20	-	2.80/3.40	480	650/850	22	-	-	-
17445 G-X5CrNiMoNb1810	0.060	1.00	1.50	0.040	0.030	18.20/19.50	10.70/12.50	2.10/2.50	-	0.5/0.7(Nb)	240	480/640	35	-	130/200	-
17465 G-X 40CrNiSi 25 12	0.20/0.25	0.45/0.60	0.45/0.55	0.040	0.030	24.20/25.50	11.00/12.00	0.25/0.50	-	-	240	515/640	10	-	130/200	-
17465 G-X 40CrNiSi 25 20	0.30/0.50	0.50/0.70	0.50/1.50	0.040	0.030	24.20/25.80	19.20/20.80	0.50	-	-	-	440/640	8	-	150/220	-
G-X 32CrNi 28 10	0.25/0.40	1.50	1.50	0.040	0.030	27.20/28.80	9.20/10.80	0.50	-	-	275	585	9	-	-	-
SEW471 G-X40NiCrSi 38 18	0.35/0.50	1.00/1.50	0.50/1.50	0.040	0.030	17.20/18.80	37.20/38.80	0.50	-	-	200	450/590	8	-	180/220	-
17465 G-X 40CrNiSi 27 4	0.30/0.50	1.00/2.00	0.50/1.00	0.040	0.030	26.20/27.80	4.00/5.50	0.50	-	-	250	550/780	8	-	200/300	-
SEW410 G-X 2 NiCrMoCuN 25 20	0.40	1.00	1.00	0.035	0.020	19.20/20.80	24.20/25.80	2.55/3.20	-	1.60/1.95	180	440/640	20	-	130/200	-
G-X 130CrSi 29	1.23/1.36	1.00/2.00	0.50/0.95	0.040	0.030	27.30/29.50	-	-	-	-	-	-	-	-	250/350	-
1695 G-X300CrMo15 2 1	2.90/3.30	0.40/0.75	0.60/0.85	0.060	0.050	14.50/16.50	0.50	2.00/2.50	-	0.90/1.20	-	-	-	-	690	-
1695 G-X300CrMoNi15 3	3.20/3.40	0.35/0.75	0.70/0.95	0.10	0.060	15.00/17.00	0.50	2.70/3.00	-	-	-	-	-	-	690	-
G-X300CrMoNi2611	2.90/3.10	0.40/0.80	0.50/0.80	0.030	0.030	25.00/27.00	0.50/1.50	0.50/1.50	-	1.20	-	-	-	-	650	-
1695 G-X260CrMoNi20 21	2.60/2.90	0.40/0.90	0.60/0.90	0.060	0.050	18.00/21.00	1.50	1.40/2.00	-	0.50/1.20	-	-	-	-	650	-
1695 G-X 260 NiCr42	2.70/3.00	0.30/0.80	0.30/0.70	0.10	0.15	1.60/4.00	3.50/5.50	0.50	-	-	-	-	-	-	550	-
1695 G-X 330 NiCr42	3.20/3.50	0.30/0.80	0.30/0.70	0.10	0.15	1.60/4.00	3.50/5.50	0.50	-	-	-	-	-	-	550	-
1694 GGLNiCuCr15 6 2	2.90/2.95	2.50/2.70	0.50/1.50	0.10	0.10	1.50/2.50	14.00/16.50	-	-	5.60/7.50	-	172/220	-	-	131/183	-
1694 GGLNiCr 20 3	2.70/2.90	2.50/2.70	0.50/0.80	0.10	0.12	3.50/5.80	18.20/19.80	-	-	0.50	-	-	-	-	-	-
G-X230Si5	2.20/2.40	4.20/4.60	0.45/0.55	0.080	0.050	-	0.95/1.00	-	-	-	-	-	-	-	-	-
1694 GGG-NiCr 303	2.30/2.55	1.70/2.00	0.50	0.080	0.030	2.50/3.50	28.50/31.50	-	0.06(Mn)	0.50	215	380	7/18	-	140/200	10
1694 GGG-NiCr 202	2.85/2.90	1.70/2.00	0.85/1.15	0.080	0.030	1.80/2.40	19.00/21.50	-	0.06(Mn)	-	210/250	400/480	8/20	-	140/200	14/27
1694 GGG-NiCr353	2.15/2.35	0.70/1.00	0.50/1.00	0.080	0.030	2.20/2.90	34.50/35.50	-	0.06(Mn)	0.50	210	379	7	-	140/190	-