Küsters chains

Performance chains for Küsters presses

Material analyse

CHEMICAL ANALYSIS											
Link Plate	MATERIAL Standard	Chemical Comp	C [%]	Mn [%]	P [%]	S [%]	Si [%]	Ni [%]	Cr [%]	Mo [%]	Cu [%]
	BS970 060A62	Standard	0.60-0.65	0.50-0.70	≤0.050	≤0.050	-	≤0.400	≤0.30	≤0.30	-
	ISO C60	Results	0.62	0.64	0.021	0.011	-	0.095	0.05	0.03	-
Washer	MATERIAL Standard	Chemical Comp	C [%]	Mn [%]	P [%]	S [%]	Si [%]	Ni [%]	Cr [%]	Mo [%]	Cu [%]
	BS970 060A62	Standard	0.60-0.65	0.50-0.70	≤0.050	≤0.050	-	≤0.400	≤0.30	≤0.30	-
	ISO C60	Results	0.64	0.69	0.005	0.010	-	0.070	0.10	0.12	-
Pin	MATERIAL Standard	Chemical Comp	C [%]	Mn [%]	P [%]	S [%]	Si [%]	Ni [%]	Cr [%]	Mo [%]	Cu [%]
	BS970 708M40	Standard	0.38-0.43	0.75-1.00	≤0.025	≤0.025	0.15-0.35	0.25	0.80-1.10	0.15-0.25	0.35
	42CrMo4	Results	0.40	0.76	0.015	0.003	0.21	0.05	0.88	0.19	0.10
Rollers (A)	MATERIAL Standard	Chemical Comp	C [%]	Mn [%]	P [%]	S [%]	Si [%]	Ni [%]	Cr [%]	Mo [%]	Cu [%]
	BS970 805M20	Standard	0.18-0.23	0.70-0.90	≤0.035	≤0.035	0.15-0.30	0.40-0.7	0.40-0.60	0.15-0.25	-
	20NiCrMo4	Results	0.22	0.78	0.010	0.005	0.27	0.65	0.54	0.24	-
Rollers (B)	MATERIAL Standard	Chemical Comp	C [%]	Mn [%]	P [%]	S [%]	Si [%]	Ni [%]	Cr [%]	Mo [%]	Cu [%]
	BS970 805M20	Standard	0.18-0.23	0.70-0.90	≤0.035	≤0.035	0.15-0.30	0.40-0.7	0.40-0.60	0.15-0.25	-
	20NiCrMo4	Results	0.21	0.74	0.015	0.005	0.22	0.44	0.53	0.22	-
Rollers (C)	MATERIAL Standard	Chemical Comp	C [%]	Mn [%]	P [%]	S [%]	Si [%]	Ni [%]	Cr [%]	Mo [%]	Cu [%]
	BS970 805M20	Standard	0.18-0.23	0.70-0.90	≤0.035	≤0.035	0.15-0.30	0.40-0.7	0.40-0.60	0.15-0.25	-
	20NiCrMo4	Results	0.19	0.89	0.005	0.010	0.19	0.55	0.56	0.22	-
Rollers (D)	MATERIAL Standard	Chemical Comp	C [%]	Mn [%]	P [%]	S [%]	Si [%]	Ni [%]	Cr [%]	Mo [%]	Cu [%]
	BS970 805M20	Standard	0.18-0.23	0.70-0.90	≤0.035	≤0.035	0.15-0.30	0.40-0.7	0.40-0.60	0.15-0.25	-
	20NiCrMo4	Results	0.19	0.86	0.020	0.005	0.21	0.56	0.52	0.21	-

Table 2.0: Chemical Analysis of Main Components Supplied

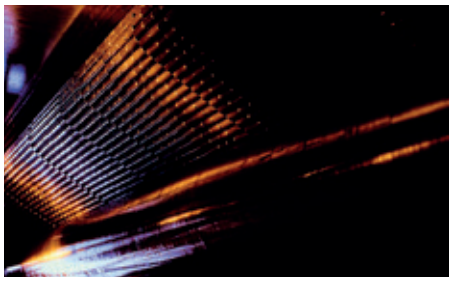
Hardness analyses

HEAT TREATED COMPONENTS					
	Pins			Washers	Linkplates
Heat Treatment	Induction Hardened (ENDS OF PINS AS NORMAL: 200HB)			Through Hardened	Through Hardened
	Core	Surface	Depth	-	-
Standard	Avg:28HRC	58-62HRC	0.5-0.6mm	460 - 480HV	460 - 480HV
Average Result	28.3HRC	59.2	0.56	465HV	470HV

Table 2.20: Heat Treatment Analysis

ROLLERS (CASE HARDENED)						
	SURFACE		CORE		DEPTH	
	STANDARD	RESULT	STANDARD	RESULT	STANDARD	RESULT
ROLLER A	56-62HRC	58.3	30-34HRC	32.2	0.6-0.8MM	0.62
ROLLER B	"	59.4	"	33.1	"	0.66
ROLLER C	"	58.4	"	31.0	"	0.70
ROLLER D	"	60.2	"	33.4	"	0.65
ROLLER E	"	58.5	"	33.6	"	0.72
ROLLER F	"	61.3	"	32.5	"	0.73
ROLLER G	"	59.7	"	32.1	"	0.69
ROLLER H	"	59.9	"	30.6	"	0.78
ROLLER I	"	61.0	"	31.2	"	0.67
ROLLER J	"	58.6	"	32.4	"	0.71
ROLLER K	"	59.1	"	33.1	"	0.72

Table 2.21: Hardness Analysis of Rollers



Increase the reliability on Küsters Contipress presses

- 1, 2, 5 and 10 fold chains specifications.
- According to original design.
- Own production of key components.
- Quality certification on each delivery.
- Supply of complete chains or unlimited amount of components.

KÜSTERS360

Chains are part of our 360 offering.

Rivet test.