



**MATERIAL CERTIFICATES WITH MECHANICAL PROPERTIES AND CHEMICAL COMPOSITION  
ACCORDING TO EN 10204 /3.1B PLUS BASE MATERIAL CERTIFICATES**

PO-1804-0024

DATE:JUN/29.2018

QUANTITY	DESCRIPTION OF GOODS			MATERIAL	RESULT
2000	HEX.BUSHING	3/4x1/2	18061001	304	OK
1500		1x1/2			
800		1x3/4			
1000		11/2x3/4	18061002		
200		2x1/2			
150		2x3/4			
50		3x2			
200		1/8	90ELBOW		
200		1 1/4			
2000		1/4			
2000	3/8	18061003			
4000	1/2				
1000	3/4				
1000	1	18061004			
600	1 1/4				
200	1 1/2				
500	2				
150	3/8	18061005			
400	1/2				
200	1				
20	3				
100	1/2	JAM NUT			
100	3/4				
600	1/8	HEX.NIPPLE			
2000	1/4				
3000	3/4				
100	2 1/2	18061006			
500	3				
800	1/2x3/8				
800	1x1/2	RED.HEX.NIPPLE			
400	1x3/4				
60	21/2x2				
100	3x2				
600	3/8	SQUARE PLUG			
300	1 1/2				
60	3				
150	1/2x1/4	18061007			
200	2x11/2				
10	1/2" X 1.1				
10	3x21/2				
100	3/4	STREET ELBOW			
400	1				
80	1 1/2				
200	1/8	18061008			
800	1/4				
200	3/8				
500	3/4				
1600	1				
300	2	18061009			
100	3				
300	1x1/2				
300	11/2x1/2				
100	11/2x3/4				
60	11/2x1				
200	2x1				
30	3*2				
60	UNION FLAT	3			

HEAT NO.	CHEMICAL COMPOSITION								MECHANICAL PROPERTIES		
	C%	Si%	Mn%	P%	S%	Ni%	Cr%	Mo%	TENSILE STRENGTH	YIELD POINT	ELONGATION
	MAX	MAX	MAX	MAX	MAX				MPa	Mpa	>30%
18061001	0.058	0.770	0.961	0.029	0.030	8.0/11.0	18.00/20.00		>485	>205	>30%
18061002	0.069	0.880	0.102	0.028	0.019	8.12	18.06		OK	OK	OK
18061003	0.036	0.37	1.04	0.030	0.011	8.05	18.10		OK	OK	OK
18061004	0.040	0.53	1.08	0.032	0.014	8.04	18.12		OK	OK	OK
18061005	0.050	0.670	0.961	0.029	0.012	8.10	18.11		OK	OK	OK
18061006	0.036	0.55	1.04	0.037	0.013	8.07	18.09		OK	OK	OK
18061007	0.046	0.771	0.961	0.029	0.021	8.13	18.10		OK	OK	OK
18061008	0.062	0.660	0.102	0.030	0.018	8.16	18.06		OK	OK	OK
18061009	0.039	0.57	1.04	0.037	0.013	8.06	18.10		OK	OK	OK