

## ULTRAPLATE - Offshore Coating for Piston Rods (Plasma Transferred Arc, P.T.A., welded layer)

Reference list since 2002



Country	Application	Quantity	Dimensions (in mm) piston/rod/stroke	Rod Material	Delivery date
Norway	Piston rod for riser tensioner system	3	Ø /230/ 15.240	42 Cr Mo4	2002
UK	Piston rod for keel lift cylinder of a sailing yacht	1	Ø 320 / 190 / 6000	MW 450	2002
Germany	Mandrel for tube manufacture	2	Ø 100 / 1.040	28NiCrMoV10	2003
Germany	Cylinder for fire fighting mast at fire fighting boat	1	Ø 340 / 310 / 11.000	MW 450	2003
South Africa	Bridge lift cylinder	1	Ø 160 / 110 / 1.929	St 52-3	2003
Germany	Cylinder for oil fighting boat	2	Ø 220 / 160 / 1.450	St 52-3	2004
Germany	Piston accumulator for sub-sea unit	7	Ø 240 outside diam. / 1.870	St 52-4 and TStE 355	2004

Germany	Drain gate cylinder for old ship lock in Brunsbüttel	11	Ø 140 / 100 / 3.600	25Cr Mo4	2004
Norway	Offshore winch cylinder rods	4	Ø 240 / 4.216	St 52-3	2005
Norway	Offshore winch cylinder rods	4	Ø 240 / 4.216	St 52-3	2005
Norway	Offshore winch cylinder rods	2	Ø 240 / 4.316	Stainless steel	2005
Norway	Offshore winch cylinder rods	4	Ø 240 / 4.216	Stainless steel	2006
Norway	Offshore winch cylinder rods	4	Ø 240 / 4.216	Stainless steel	2006
Norway	Offshore crane cylinders (rods partly with P.T.A.)	8 8	Ø 450 / 340 / 5080 Ø 380 / 260 / 3800	St 52-3 St52-3	2006
Norway	Offshore crane cylinders (rods partly with P.T.A.)	4 4	Ø 450 / 320 / 5080 Ø 380 / 250 / 3800	St 52-3 St52-3	2006
Norway	Offshore crane cylinders (rods partly with P.T.A.)	6 6	Ø 420 / 320 / 5080 Ø 380 / 250 / 3845	St 52-3 St52-3	2006
Norway	Offshore crane cylinders (rods partly with P.T.A.)	8 8	Ø 420 / 320 / 5080 Ø 380 / 250 / 3845	St 52-3 St52-3	2007
Norway	Offshore crane cylinders (rods partly with P.T.A.)	8 8	Ø 450 / 340 / 5080 Ø 380 / 260 / 3800	St 52-3 St52-3	2007
Norway	Offshore crane cylinders (rods partly with P.T.A.)	18 18	Ø 470 / 360 / 5080 Ø 380 / 250 / 3845	St 52-3 St52-3	2007

Norway	Offshore winch cylinder rods	4	∅ 240 / 4.316	25CrMo4V	2007
Norway	Offshore crane cylinders (rods partly with P.T.A.)	8	∅ 420 / 320 / 5080	St 52-3	2008
		8	∅ 380 / 250 / 3845	St52-3	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	20	∅ 470 / 360 / 5080	St 52-3	2008
		20	∅ 380 / 250 / 3845	St52-3	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	24	∅ 450 / 340 / 5080	St 52-3	2008
		24	∅ 380 / 260 / 3800	St52-3	
Norway	Offshore winch cylinder rods	4	∅ 240 / 4.316	25CrMo4V	2008
Norway	Riser tensioner offshore cylinders	12	∅ 560 / 230 / 15.240	25CrMo4V	2008
Norway	Offshore crane cylinders (rods partly with P.T.A.)	7	∅ 420 / 320 / 5080	St 52-3	2009
		7	∅ 380 / 250 / 3845	St52-3	
South Africa	Offshore heave compensating cylinders	2	∅ 280 / 125 / 9.500	St 52-3	2009
Norway	Offshore crane cylinders (rods partly with P.T.A.)	40	∅ 450 / 340 / 5080	St 52-3	2009
		40	∅ 380 / 260 / 3800	St52-3	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	2	∅ 470 / 360 / 5080	St 52-3	2009
		2	∅ 380 / 250 / 3845	St52-3	
Japan	Riser tensioner offshore cylinder rods	3	∅ 230 / 15.500	25CrMo4V	2009

Norway	Riser tensioner offshore cylinder rods	18	Ø 560 / 230 / 15.240	25CrMo4V	2009
Japan	Riser tensioner offshore cylinder rods	3	Ø 230 / 15.500	25CrMo4V	2010
Norway	Offshore crane cylinders (rods partly with P.T.A.)	23	Ø 450 / 340 / 5080	St 52-0	2010
		22	Ø 380 / 260 / 3800	St 52-0	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	1	Ø 470 / 360 / 5080	St 52-0	2010
		2	Ø 380 / 250 / 3845	St 52-0	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	1	Ø 420 / 320 / 5080	St 52-0	2010
UK	Jacking cylinder rod	1	Ø ... / 203 / 1760	S355J2G3	2010
Norway	Offshore crane cylinders (rods partly with P.T.A.)	24	Ø 450 / 340 / 5080	St 52-0	2011
		24	Ø 380 / 260 / 3800	St 52-0	
UK	Cylinders for wave power plant	3	Ø 590 / 350 / 4000	25CrMo4V	2011
Norway	Offshore crane cylinders (rods partly with P.T.A.)	4	Ø 350 / 280 / 4435	S355J2-N	2011
		4	Ø 280 / 230 / 3450		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	2	Ø 550 / 410 / 5670	S355J2-N	2011
		2	Ø 460 / 360 / 5709		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	4	Ø 550 / 410 / 5565	S355J2-N	2011
		4	Ø 520 / 340 / 4315		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	3	Ø 520 / 410 / 5780	S355J2-N	2011
		2	Ø 520 / 380 / 4400		

Norway	Offshore crane cylinders (rods partly with P.T.A.)	4	Ø 380 / 280 / 3772	S355J2-N	2011
Norway	Offshore crane cylinders (rods partly with P.T.A.)	2	Ø 420 / 320 / 5080	S355J2-N	2011
		2	Ø 380 / 250 / 3845	S355J2-N	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	2	Ø 450 / 340 / 5080	S 355J2-N	2012
		2	Ø 380 / 260 / 3800	S 355J2-N	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	22	Ø 550 / 410 / 5670	S 355J2-N	2012
		22	Ø 460 / 360 / 5709	S 355J2-N	
Germany	Coating of a rotating shaft	1	Ø 330/246/200 x 2842 mm	1.4571	2012
Norway	Offshore crane cylinders (rods partly with P.T.A.)	24	Ø 470 / 360 / 5080	S 355J2-N	2012
		24	Ø 380 / 280 / 3845	S355J2-N	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	2	Ø 470 / 360 / 5080	S 355J2-N	2012
		4	Ø 420 / 340 / 5080	S 355J2-N	
		6	Ø 380 / 260 / 3845	S355J2-N	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	4	Ø 470 / 360 / 5080	S 355J2-N	2013
		8	Ø 420 / 340 / 5080	S 355J2-N	
		12	Ø 380 / 260 / 3845	S355J2-N	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	10	Ø 550 / 410 / 5670	S 355J2-N	2013
		10	Ø 460 / 360 / 5709	S 355J2-N	

Norway	Offshore crane cylinders (rods partly with P.T.A.)	14	∅ 470 / 360 / 5080	S 355J2-N	2013
		14	∅ 380 / 260 / 3845	S 355J2-N	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	20	∅ 550 / 410 / 5670	S355J2N	2013
		20	∅ 460 / 360 / 5709		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	10	∅ 550 / 410 / 5565	S355J2-N	2013
		10	∅ 520 / 340 / 4315		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	6	∅ 520 / 410 / 5780	S355J2H/E355+N	2013
		4	∅ 520 / 380 / 4400		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	2	∅ 460 / 360 / 2709	S355J2N	2013
Norway	Offshore crane cylinders (rods partly with P.T.A.)	2	∅ 350 / 280 / 4435	S355J2-N	2013
		2	∅ 280 / 230 / 3450		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	6	∅ 470 / 360 / 5080	S 355J2-N	2013
		6	∅ 380 / 280 / 3845	S355J2-N	
Norway	BOP (Blow out preventer) Lifting Cylinder	1	Stage01∅ 710 / 650 Stage02∅ 540 / 480 Total stroke: 9250	S355J2-N	2014
Norway	Offshore crane cylinders (rods partly with P.T.A.)	6	∅ 550 / 410 / 5565	S355J2-N	2014
		6	∅ 520 / 340 / 4315		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	8	∅ 470 / 360 / 5080	S 355J2-N	2014
		6	∅ 380 / 260 / 3845	S355J2-N	

Norway	Offshore crane cylinders (rods partly with P.T.A.)	13	∅ 550 / 410 / 5670	S355J2-N	2014
		13	∅ 460 / 360 / 5709		
Norway	Riser tensioner offshore cylinder	2	∅ 560 / 230 / 15.850	S355J2-N	2014
Norway	Offshore crane cylinders (rods partly with P.T.A.)	2	∅ 380 / 250 / 3845	S355J2-N	2014
Norway	Offshore crane cylinders (rods partly with P.T.A.)	4	∅ 450 / 340 / 5080	S355J2-N	2014
		3	∅ 380 / 260 / 3800		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	6	∅ 520 / 410 / 5780	S355J2-N	2014
		4	∅ 540 / 380 / 4400		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	8	∅ 420 / 340 / 5080	S 355J2-N	2014
		8	∅ 380 / 260 / 3845	S355J2-N	
Norway	Offshore crane cylinders (rods partly with P.T.A.)	4	∅ 550 / 410 / 5565	S355J2-N	2015
		4	∅ 520 / 340 / 4315		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	5	∅ 450 / 340 / 5080	S355J2-N	2015
		6	∅ 380 / 260 / 3800		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	3	∅ 520 / 410 / 5861	S355J2-N	2015
Norway	Offshore crane cylinders (rods partly with P.T.A.)	1	∅ 470 / 360 / 5080	S355J2-N	2015
		1	∅ 380 / 280 / 3845		
Norway	Offshore crane cylinders (rods partly with P.T.A.)	5	∅ 550 / 410 / 5670	S355J2-N	2015
		4	∅ 460 / 360 / 5709		

Norway	BOP (Blow out preventer) Lifting Cylinder	1	Stage01 Ø 710 / 650 Stage02 Ø 540 / 480 Total stroke: 9250	S355J2-N	2015
Norway	Offshore crane cylinders (rods partly with P.T.A.)	3 2	Ø 640 / 460 / 6610 Ø 550 / 430 / 6340	S355J2-N	2015
Norway	Offshore crane cylinders (rods partly with P.T.A.)	1	Ø 450 / 340 / 5080	S355J2-N	2017
Germany	Offshore heave compensating cylinders	2	Ø 280 / 125 / 9.500	25CrMo4V	2017
Austria	Offshore crane cylinders (rods partly with P.T.A.)	1	Ø 520 / 340 / 4315	S355J2H	2018
Austria	Offshore crane cylinders (rods partly with P.T.A.)	1	Ø 550 / 410 / 5565	S355J2H	2018
Norway	Offshore crane cylinders (rods partly with P.T.A.)	1 1	Ø 470 / 360 / 5080 Ø 380 / 250 / 3845	S355J2-N	2018
Brasil	Offshore crane cylinders (rods partly with P.T.A.)	1 1	Ø 450 / 340 / 5080 Ø 380 / 260 / 3800	S355J2-N	2019
South Africa	Offshore crane cylinders (rod partly with P.T.A)	2 2	Ø 450 / 340 / 5080 Ø 380 / 260 / 3800	S355J2H	2019
Norway	Offshore crane cylinders (rods partly with P.T.A.)	1	Ø 520 / 410 / 5790	S355J2H	2020