



Oil & Gas

Oil & Gas Products

Stock Program



dahl.no

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BD OIL & GAS – YOUR TOTAL SUPPLIER

BD Oil & Gas supplies pipes, pipe products and valves to the Norwegian and international oil and gas industry.

All our products are delivered in accordance with international quality standards and specifications from reputable, approved suppliers and manufacturers within the oil and gas industry. We provide products and technical solutions with the required quality and offer the best logistics and distribution system from more than 50 locations throughout Norway.

In addition to our wide range of products, we are proud to have a centrally situated staff of product specialists who will help find the right materials for your application.

BD OIL & GAS, a division of Brødrene Dahl is located in Sandnes (Stavanger) as a part of the Oil & Gas cluster on the West Coast of Norway. Brødrene Dahl is also located in Romania with warehouses in Tulcea, Braila and Constanta; as well as in Vung Tau, Vietnam.

Brødrene Dahl is part of the Saint-Gobain group, which is ranked among the top 100 industrial groups in the world. Saint-Gobain has 350 years of history, nearly 193.000 employees and operations in 64 countries.



Brødrene Dahl is the leading technical trading company in Norway



Department in Romania



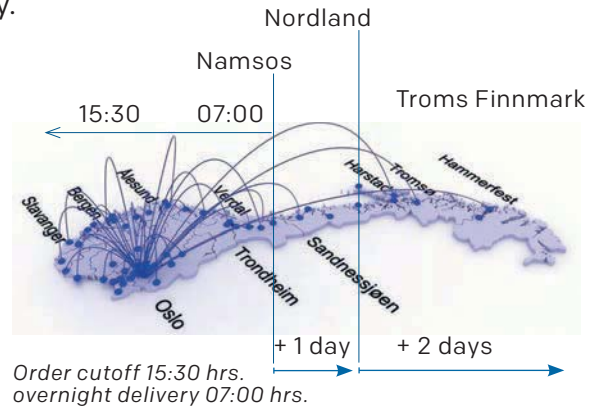
Department in Vietnam

CENTRAL WAREHOUSE

From our warehouses we deliver pipes, fittings and valves worldwide

We provide products and technical solutions with the required quality and can offer the best logistics and distribution network through more than 50 locations across Norway.

Size (m²): 110.000
Employees: 240
Inside Equipment (m²): 44.000
Line items/day: 14.000
Products: 27.000
Outgoing trucks: 120

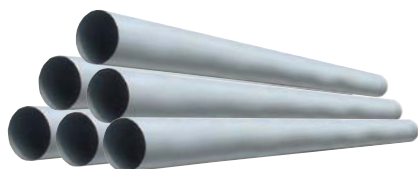


Together with several of the major forwarding transport agencies operating worldwide, BD Oil & Gas can offer all means of transportation by air, road and sea.



The central warehouse at Langhus. New, highly automatic pipe handling and storage system.

Excellent logistics is essential for customer satisfaction



Seamless steel pipes acc. to NORSOK/TR2000 (M-630, M-650)

Sømløse stålrør iht. NORSOK/TR2000 (M-630, M-650)

316		Duplex		Super Duplex	
TP316/TP316L ASTM A312 ASME B36.19M MDS S01		UNS S31803 ASTM A790 ASME B36.19M MDS D41		UNS S32750 ASTM A790 ASME B36.19M MDS D51	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1967934	1/2" Sch 40S	1960056	1/2" Sch 40S	1974171	1/2" Sch 40S
1967935	1/2" Sch w80S	1960057	1/2" Sch 80S	1974172	1/2" Sch 80S
1967936	1/2" Sch 160	1960058	1/2" Sch 160	1974175	3/4" Sch 40S
1967938	3/4" Sch 40S	1960061	3/4" Sch 40S	1974176	3/4" Sch 80S
1967939	3/4" Sch 80S	1960062	3/4" Sch 80S	1974181	1" Sch 40S
1967941	3/4" Sch 160	1960063	3/4" Sch 160	1974182	1" Sch 80S
1967944	1" Sch 40S	1960066	1" Sch 40S	1974192	1 1/2" Sch 40S
1967945	1" Sch 80S	1960067	1" Sch 80S	1974193	1 1/2" Sch 80S
1967946	1" Sch 160	1960068	1" Sch 160	1974196	2" Sch 10S
1967954	1 1/2" Sch 10S	1960077	1 1/2" Sch 40S	1974197	2" Sch 40S
1967955	1 1/2" Sch 40S	1960078	1 1/2" Sch 80S	1974199	2" Sch 160
1967956	1 1/2" Sch 80S	1960082	2" Sch 10S	1974204	3" Sch 10S
1967957	1 1/2" Sch 160	1960083	2" Sch 40S	1974205	3" Sch 40S
1967958	1 1/2" XXS	1960084	2" Sch 80S	1974207	3" Sch 160
1967959	2" Sch 10S	1960085	2" Sch 160	1974209	4" Sch 10S
1967961	2" Sch 40S	1960086	2" XXS	1974211	4" Sch 40S
1967962	2" Sch 80S	1960087	2 1/2" Sch 10S	1974212	4" Sch 80S
1967963	2" Sch 160	1960089	3" Sch 10S	1974213	4" Sch 160
1967964	2" XXS	1960091	3" Sch 40S	1974218	6" Sch 40S
1967965	2 1/2" Sch 10S	1960092	3" Sch 80S	1974219	6" Sch 80S
1967966	2 1/2" Sch 40S	1960093	3" Sch 160	1974222	6" Sch 120
1967967	3" Sch 10S	1960094	3" XXS	1974221	6" Sch 160
1967968	3" Sch 40S	1960095	4" Sch 10S		
1967969	3" Sch 80S	1960096	4" Sch 40S		
1967971	3" Sch 160	1960097	4" Sch 80S		
1967972	3" XXS	1960098	4" Sch 160		
1967973	4" Sch 10S	1960104	6" Sch 40S		
1967974	4" Sch 40S	1960105	6" Sch 80S		
1967975	4" Sch 80S	1960107	6" Sch 120		
1967976	4" Sch 160	1960106	6" Sch 160		
1967977	4" XXS				
1967979	5" Sch 40S				
1967981	6" Sch 10S				
1967982	6" Sch 40S				
1967983	6" Sch 80S				
1967984	6" Sch 160				
1967985	6" XXS				



Seamless buttweld fittings acc. to NORSOK/TR2000 (M-630, M-650)

Sømløse sveisedeler iht. NORSOK/TR2000 (M-630, M-650)

Elbow 90° long radius/Bend 90° lang radius

316		Duplex		Super Duplex	
WP316/WP316L S ASTM A403 ASME B16.9 MDS S01		S31803 S ASTM A815 ASME B16.9 MDS D43		S32750 S ASTM A815 ASME B16.9 MDS D53	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1967986	1/2" Sch 40S	1960108	1/2" Sch 40S	1974223	1/2" Sch 40S
1967987	1/2" Sch 80S	1960109	1/2" Sch 80S	1974224	1/2" Sch 80S
1967988	1/2" Sch 160	1960111	1/2" Sch 160	1974227	3/4" Sch 40S
1967991	3/4" Sch 40S	1960113	3/4" Sch 40S	1974228	3/4" Sch 80S
1967992	3/4" Sch 80S	1960114	3/4" Sch 80S	1974233	1" Sch 40S
1967993	3/4" Sch 160	1960115	3/4" Sch 160	1974234	1" Sch 80S
1967995	1" Sch 10S	1960118	1" Sch 40S	1974244	1 1/2" Sch 40S
1967996	1" Sch 40S	1960119	1" Sch 80S	1974245	1 1/2" Sch 80S
1967997	1" Sch 80S	1960121	1" Sch 160	1974248	2" Sch 10S
1967998	1" Sch 160	1960129	1 1/2" Sch 40S	1974249	2" Sch 40S
1968006	1 1/2" Sch 10S	1960131	1 1/2" Sch 80S	1974252	2" Sch 160
1968007	1 1/2" Sch 40S	1960132	1 1/2" Sch 160	1974256	3" Sch 10S
1968008	1 1/2" Sch 80S	1960134	2" Sch 10S	1974257	3" Sch 40S
1968009	1 1/2" Sch 160	1960135	2" Sch 40S	1974259	3" Sch 160
1968012	2" Sch 10S	1960136	2" Sch 80S	1974262	4" Sch 10S
1968013	2" Sch 40S	1960137	2" Sch 160	1974263	4" Sch 40S
1968014	2" Sch 80S	1960138	2" XXS	1974264	4" Sch 80S
1968015	2" Sch 160	1960139	2 1/2" Sch 10S	1974265	4" Sch 160
1968016	2" XXS	1960142	3" Sch 10S	1974269	6" Sch 10S
1968019	3" Sch 10S	1960143	3" Sch 40S	1974271	6" Sch 40S
1968021	3" Sch 40S	1960144	3" Sch 80S	1974272	6" Sch 80S
1968022	3" Sch 80S	1960145	3" Sch 160		
1968023	3" Sch 160	1960146	3" XXS		
1968025	4" Sch 10S	1960147	4" Sch 10S		
1968026	4" Sch 40S	1960148	4" Sch 40S		
1968027	4" Sch 80S	1960149	4" Sch 80S		
1968028	4" Sch 160	1960151	4" Sch 160		
1968031	5" Sch 10S	1960155	6" Sch 10S		
1968033	6" Sch 10S	1960156	6" Sch 40S		
1968034	6" Sch 40S	1960157	6" Sch 80S		
1968035	6" Sch 80S	1960158	6" Sch 160		
		1960159	6" XXS		



Seamless buttweld fittings acc. to NORSOK/TR2000 (M-630, M-650)

Sømløse sveisedeler iht. NORSOK/TR2000 (M-630, M-650)

Elbow 45° long radius/Bend 45° lang radius

316		Duplex		Super Duplex	
WP316/WP316L S ASTM A403 ASME B16.9 MDS S01		S31803 S ASTM A815 ASME B16.9 MDS D43		S32750 S ASTM A815 ASME B16.9 MDS D53	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1968103	1/2" Sch 40S	1960225	1/2" Sch 40S	1974339	1/2" Sch 40S
1968107	3/4" Sch 40S	1960226	1/2" Sch 80S	1974341	1/2" Sch 80S
1968108	3/4" Sch 80S	1960227	1/2" Sch 160	1974344	3/4" Sch 40S
1968112	1" Sch 10S	1960229	3/4" Sch 40S	1974345	3/4" Sch 80S
1968113	1" Sch 40S	1960231	3/4" Sch 80S	1974349	1" Sch 40S
1968114	1" Sch 80S	1960232	3/4" Sch 160	1974351	1" Sch 80S
1968115	1" Sch 160	1960235	1" Sch 40S	1974361	1 1/2" Sch 40S
1968123	1 1/2" Sch 10S	1960236	1" Sch 80S	1974362	1 1/2" Sch 80S
1968124	1 1/2" Sch 40S	1960237	1" Sch 160	1974365	2" Sch 10S
1968125	1 1/2" Sch 80S	1960246	1 1/2" Sch 40S	1974366	2" Sch 40S
1968128	2" Sch 10S	1960247	1 1/2" Sch 80S	1974367	2" Sch 80S
1968129	2" Sch 40S	1960248	1 1/2" Sch 160	1974368	2" Sch 160
1968131	2" Sch 80S	1960251	2" Sch 10S	1974373	3" Sch 10S
1968132	2" Sch 160	1960252	2" Sch 40S	1974374	3" Sch 40S
1968136	3" Sch 10S	1960253	2" Sch 80S	1974376	3" Sch 160
1968137	3" Sch 40S	1960254	2" Sch 160	1974378	4" Sch 10S
1968138	3" Sch 80S	1960256	2 1/2" Sch 10S	1974379	4" Sch 40S
1968139	3" Sch 160	1960257	2 1/2" Sch 40S	1974381	4" Sch 80S
1968142	4" Sch 10S	1960258	3" Sch 10S	1974382	4" Sch 160
1968143	4" Sch 40S	1960259	3" Sch 40S	1974386	6" Sch 10S
1968144	4" Sch 80S	1960261	3" Sch 80S	1974387	6" Sch 40S
1968149	6" Sch 10S	1960262	3" Sch 160		
1968151	6" Sch 40S	1960263	3" XXS		
1968152	6" Sch 80S	1960264	4" Sch 10S		
		1960265	4" Sch 40S		
		1960266	4" Sch 80S		
		1960267	4" Sch 160		
		1960272	6" Sch 10S		
		1960273	6" Sch 40S		
		1960274	6" Sch 80S		
		1961416	6" Sch 120		
		1960275	6" Sch 160		



Seamless butt weld fittings acc. to NORSOK/TR2000 (M-630, M-650)

Sømløse sveisedeler iht. NORSOK/TR2000 (M-630, M-650)

Equal tees/T-rør					
316		Duplex		Super Duplex	
WP316/WP316L S ASTM A403 ASME B16.9 MDS S01		S31803 S ASTM A815 ASME B16.9 MDS D43		S32750 S ASTM A815 ASME B16.9 MDS D53	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1968221	1/2" Sch 40S	1960343	1/2" Sch 40S	1974457	1/2" Sch 40S
1968222	1/2" Sch 80S	1960344	1/2" Sch 80S	1974458	1/2" Sch 80S
1968225	3/4" Sch 40S	1960345	1/2" Sch 160	1974462	3/4" Sch 40S
1968226	3/4" Sch 80S	1960347	3/4" Sch 40S	1974463	3/4" Sch 80S
1968227	3/4" Sch 160	1960348	3/4" Sch 80S	1974467	1" Sch 40S
1968229	1" Sch 10S	1960349	3/4" Sch 160	1974468	1" Sch 80S
1968231	1" Sch 40S	1960353	1" Sch 40S	1974478	1 1/2" Sch 40S
1968232	1" Sch 80S	1960354	1" Sch 80S	1974479	1 1/2" Sch 80S
1968233	1" Sch 160	1960355	1" Sch 160	1974483	2" Sch 10S
1968241	1 1/2" Sch 10S	1960364	1 1/2" Sch 40S	1974484	2" Sch 40S
1968242	1 1/2" Sch 40S	1960365	1 1/2" Sch 80S	1974486	2" Sch 160
1968243	1 1/2" Sch 80S	1960368	2" Sch 10S	1974491	3" Sch 10S
1968244	1 1/2" Sch 160	1960369	2" Sch 40S	1974492	3" Sch 40S
1968246	2" Sch 10S	1960371	2" Sch 80S	1974496	4" Sch 10S
1968247	2" Sch 40S	1960372	2" Sch 160	1974497	4" Sch 40S
1968248	2" Sch 80S	1960373	2" XXS	1974498	4" Sch 80S
1968249	2" Sch 160	1960376	3" Sch 10S	1974504	6" Sch 10S
1968254	3" Sch 10S	1960377	3" Sch 40S	1974505	6" Sch 40S
1968255	3" Sch 40S	1960378	3" Sch 80S		
1968256	3" Sch 80S	1960379	3" Sch 160		
1968257	3" Sch 160	1960382	4" Sch 10S		
1968259	4" Sch 10S	1960383	4" Sch 40S		
1968261	4" Sch 40S	1960384	4" Sch 80S		
1968262	4" Sch 80S	1960385	4" Sch 160		
1968263	4" Sch 160	1960389	6" Sch 10S		
1968265	5" Sch 10S	1960391	6" Sch 40S		
1968267	6" Sch 10S	1960392	6" Sch 80S		
1968268	6" Sch 40S	1961415	6" Sch 120		
1968269	6" Sch 80S	1960393	6" Sch 160		



Seamless butt weld fittings acc. to NORSOK

Sømløse sveisedeler iht. NORSOK

Reduced tees/Reduserte T-rør					
316		Duplex		Super Duplex	
WP316/WP316L S ASTM A403 ASME B16.9 MDS S01		S31803 S ASTM A815 ASME B16.9 MDS D43		S32750 S ASTM A815 ASME B16.9 MDS D53	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1968339	3/4" X 1/2" Sch 40S	1960462	3/4" X 1/2" Sch 40S	1974576	3/4" X 1/2" Sch 40S
1968341	3/4" X 1/2" Sch 80S	1960468	1" X 1/2" Sch 40S	1974577	3/4" X 1/2" Sch 80S
1968347	1" X 3/4" Sch 40S	1960469	1" X 3/4" Sch 40S	1974584	1" X 3/4" Sch 40S
1968349	1" X 3/4" Sch 80S	1960497	1 1/2" X 3/4" Sch 40S	1974586	1" X 3/4" Sch 80S
1968376	1 1/2" X 1" Sch 40S	1960498	1 1/2" X 1" Sch 40S	1974613	1 1/2" X 1" Sch 40S
1968379	1 1/2" X 1" Sch 80S	1961417	2" X 1 1/2" Sch 10S/40S	1974616	1 1/2" X 1" Sch 80S
1968389	2" X 1 1/2" Sch 40S	1961418	2" X 1" Sch 10S/40S	1974626	2" X 1 1/2" Sch 40S
1968391	2" X 1 1/2" Sch 80S	1960527	3" X 2" Sch 10S	1974642	3" X 2" Sch 10S
1968405	3" X 2" Sch 10S	1961419	3" X 1 1/2" Sch 10S/40S	1974643	3" X 2" Sch 40S
1968406	3" X 2" Sch 40S	1960544	4" X 3" Sch 10S	1974658	4" X 3" Sch 10S
1968422	4" X 3" Sch 10S	1960549	4" X 2" Sch 10S	1974659	4" X 3" Sch 40S
1968423	4" X 3" Sch 40S	1960561	6" X 4" Sch 10S	1974675	6" X 4" Sch 10S
1968438	6" X 4" Sch 10S	1960566	6" X 3" Sch 10S	1974676	6" X 4" Sch 40S
1968439	6" X 4" Sch 40S				



Seamless buttweld fittings acc. to NORSOK/TR2000 (M-630, M-650)

Sømløse sveisedeler iht. NORSOK/TR2000 (M-630, M-650)

Concentric reducers/Konsentriske overganger					
316		Duplex		Super Duplex	
WP316/WP316L S ASTM A403 ASME B16.9 MDS S01		S31803 S ASTM A815 ASME B16.9 MDS D43		S32750 S ASTM A815 ASME B16.9 MDS D53	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1968519	3/4" X 1/2" Sch 40S	1960642	3/4" X 1/2" Sch 40S	1974756	3/4" X 1/2" Sch 40S
1968521	3/4" X 1/2" Sch 80S	1960648	1" X 1/2" Sch 40S	1974757	3/4" X 1/2" Sch 80S
1968527	1" X 3/4" Sch 40S	1960649	1" X 3/4" Sch 40S	1974764	1" X 3/4" Sch 40S
1968529	1" X 3/4" Sch 80S	1960677	1 1/2" X 3/4" Sch 40S	1974766	1" X 3/4" Sch 80S
1968569	2" X 1 1/2" Sch 40S	1960678	1 1/2" X 1" Sch 40S	1974793	1 1/2" X 1" Sch 40S
1968571	2" X 1 1/2" Sch 80S	1961421	2" X 1 1/2" Sch 10S/40S	1974796	1 1/2" X 1" Sch 80S
1968585	3" X 2" Sch 10S	1961422	2" X 1" Sch 10S/40S	1974806	2" X 1 1/2" Sch 40S
1968586	3" X 2" Sch 40S	1960707	3" X 2" Sch 10S	1974807	2" X 1 1/2" Sch 80S
1968602	4" X 3" Sch 10S	1960713	3" X 1 1/2" Sch 10S	1974822	3" X 2" Sch 10S
1968603	4" X 3" Sch 40S	1960724	4" X 3" Sch 10S	1974823	3" X 2" Sch 40S
1968618	6" X 4" Sch 10S	1960729	4" X 2" Sch 10S	1974824	3" X 2" Sch 80S
1968619	6" X 4" Sch 40S	1960741	6" X 4" Sch 10S	1974839	4" X 3" Sch 40S
		1960746	6" X 3" Sch 10S	1974841	4" X 3" Sch 80S
				1974856	6" X 4" Sch 40S



Seamless butt weld fittings acc. to NORSOK/TR2000 (M-630, M-650)

Sømløse sveisedeler iht. NORSOK/TR2000 (M-630, M-650)

Eccentric reducers/Eksentriske overganger

316		Duplex		Super Duplex	
WP316/WP316L S ASTM A403 ASME B16.9 MDS S01		S31803 S ASTM A815 ASME B16.9 MDS D43		S32750 S ASTM A815 ASME B16.9 MDS D53	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1968707	1" X 3/4" Sch 40S	1960822	3/4" X 1/2" Sch 40S	1974936	3/4" X 1/2" Sch 40S
1968709	1" X 3/4" Sch 80S	1960828	1" X 1/2" Sch 40S	1974937	3/4" X 1/2" Sch 80S
1968736	1 1/2" X 1" Sch 40S	1960829	1" X 3/4" Sch 40S	1974944	1" X 3/4" Sch 40S
1968749	2" X 1 1/2" Sch 40S	1960857	1 1/2" X 3/4" Sch 40S	1974946	1" X 3/4" Sch 80S
1968751	2" X 1 1/2" Sch 80S	1960858	1 1/2" X 1" Sch 40S	1974973	1 1/2" X 1" Sch 40S
1968765	3" X 2" Sch 10S	1961423	2" X 1 1/2" Sch 10S/40S	1974976	1 1/2" X 1" Sch 80S
1968766	3" X 2" Sch 40S	1961424	2" X 1" Sch 10S/40S	1974986	2" X 1 1/2" Sch 40S
1968782	4" X 3" Sch 10S	1960887	3" X 2" Sch 10S	1975002	3" X 2" Sch 10S
1968783	4" X 3" Sch 40S	1961425	3" X 1 1/2" Sch 10S/40S	1975003	3" X 2" Sch 40S
1968798	6" X 4" Sch 10S	1960904	4" X 3" Sch 10S	1975004	3" X 2" Sch 80S
1968799	6" X 4" Sch 40S	1960909	4" X 2" Sch 10S	1975018	4" X 3" Sch 10S
		1960921	6" X 4" Sch 10S	1975019	4" X 3" Sch 40S
		1960926	6" X 3" Sch 10S	1975035	6" X 4" Sch 10S
				1975036	6" X 4" Sch 40S



Seamless butt weld fittings acc. to NORSOK/TR2000 (M-630, M-650)

Sømløse sveisedeler iht. NORSOK/TR2000 (M-630, M-650)

Caps/Endebunner

316		Duplex		Super Duplex	
WP316/WP316L S ASTM A403 ASME B16.9 MDS S01		S31803 S ASTM A815 ASME B16.9 MDS D43		S32750 S ASTM A815 ASME B16.9 MDS D53	
To follow		Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
		1961002	1/2" Sch 40S	1975122	3/4" Sch 40S
		1961007	3/4" Sch 40S	1975127	1" Sch 40S
		1961013	1" Sch 40S	1975138	1 1/2" Sch 40S
		1961024	1 1/2" Sch 40S	1975143	2" Sch 10S
		1961028	2" Sch 10S	1975144	2" Sch 40S
		1961036	3" Sch 10S	1975151	3" Sch 10S
		1961042	4" Sch 10S	1975152	3" Sch 40S
		1961049	6" Sch 10S	1975156	4" Sch 10S



Flanges acc. to NORSOK/TR2000 (M-630, M-650)

Flenser iht. NORSOK/TR2000 (M-630, M-650)

Flanges welding neck RF/Sveiseflenser med hals RF

316		Duplex		Super Duplex	
150# F316 ASTM A182 ASME B16.5 MDS S01		150# F51 ASTM A182 ASME B16.5 MDS D44		150# F53 ASTM A182 ASME B16.5 MDS D54	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1967609	1/2" Sch 40S	1961064	1/2" Sch 40S	1975178	1/2" Sch 40S
1967615	3/4" Sch 40S	1961066	3/4" Sch 40S	1975181	3/4" Sch 40S
1967621	1" Sch 40S	1961069	1" Sch 40S	1975184	1" Sch 40S
1967632	1 1/2" Sch 40S	1961073	1 1/2" Sch 40S	1975187	1 1/2" Sch 40S
1967636	2" Sch 10S	1961075	2" Sch 10S	1975189	2" Sch 10S
1967643	3" Sch 10S	1961081	3" Sch 10S	1975195	3" Sch 10S
1967648	4" Sch 10S	1961084	4" Sch 10S	1975198	4" Sch 10S
1967654	6" Sch 10S	1961089	6" Sch 10S	1975204	6" Sch 10S

316		Duplex		Super Duplex	
300# F316 ASTM A182 ASME B16.5 MDS S01		300# F51 ASTM A182 ASME B16.5 MDS D44		300# F53 ASTM A182 ASME B16.5 MDS D54	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1968945	1/2" Sch 40S	1961104	1/2" Sch 40S	1975218	1/2" Sch 40S
1967674	3/4" Sch 40S	1961106	3/4" Sch 40S	1975221	3/4" Sch 40S
1967679	1" Sch 40S	1961109	1" Sch 40S	1975224	1" Sch 40S
1967691	1 1/2" Sch 40S	1961113	1 1/2" Sch 40S	1975227	1 1/2" Sch 40S
1967695	2" Sch 10S	1961115	2" Sch 10S	1975229	2" Sch 10S
1967702	3" Sch 10S	1961121	3" Sch 10S	1975235	3" Sch 10S
1967707	4" Sch 10S	1961124	4" Sch 10S	1975238	4" Sch 10S
1967713	6" Sch 10S	1961129	6" Sch 10S	1975244	6" Sch 10S

Flanges welding neck RTJ/Sveiseflenser med hals RTJ

316		Duplex		Super Duplex	
600# F316 ASTM A182 ASME B16.5 MDS S01		600# F51 ASTM A182 ASME B16.5 MDS D44		600# F53 ASTM A182 ASME B16.5 MDS D54	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1968951	1/2" Sch 40S	1961141	1/2" Sch 40S	1975255	1/2" Sch 40S
1968955	3/4" Sch 40S	1961145	3/4" Sch 40S	1975259	3/4" Sch 40S
1968959	1" Sch 40S	1961149	1" Sch 40S	1975264	1" Sch 40S
1968964	1 1/2" Sch 40S	1961154	1 1/2" Sch 40S	1975268	1 1/2" Sch 40S
1968968	2" Sch 40S	1961158	2" Sch 40S	1975286	6" Sch 40S
1968973	3" Sch 40S	1961163	3" Sch 40S		
1968977	4" Sch 40S	1961167	4" Sch 40S		
1968982	6" Sch 40S	1961172	6" Sch 40S		



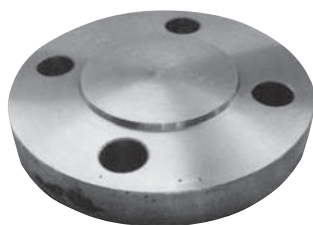
Flanges acc. to NORSOK/TR2000 (M-630, M-650)

Flenser iht. NORSOK/TR2000 (M-630, M-650)

316		Duplex		Super Duplex	
900# F316 ASTM A182 ASME B16.5 MDS S01		900# F51 ASTM A182 ASME B16.5 MDS D44		900# F53 ASTM A182 ASME B16.5 MDS D54	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1969004	3" Sch 80S	1961193	3" Sch 40S	1975307	3" Sch 40S
1969008	4" Sch 80S	1961197	4" Sch 40S	1975312	4" Sch 40S
1969013	6" Sch 80S	1961202	6" Sch 40S	1975316	6" Sch 40Sz

316		Duplex		Super Duplex	
1500# F316 ASTM A182 ASME B16.5 MDS S01		1500# F51 ASTM A182 ASME B16.5 MDS D44		1500# F53 ASTM A182 ASME B16.5 MDS D54	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1969037	1/2" Sch 80S	1961226	1/2" Sch 40S	1975341	1/2" Sch 40S
1969042	3/4" Sch 80S	1961231	3/4" Sch 40S	1975345	3/4" Sch 40S
1969046	1" Sch 80S	1961235	1" Sch 40S	1975349	1" Sch 40S
1969051	1 1/2" Sch 80S	1961239	1 1/2" Sch 40S	1975354	1 1/2" Sch 40S
1969056	2" Sch 160	1961245	2" Sch 80S	1975358	2" Sch 40S
1969061	3" Sch 160	1961249	3" Sch 80S	1975363	3" Sch 40S
1969065	4" Sch 160	1961254	4" Sch 80S	1975368	4" Sch 80S
1969069	6" Sch 160			1975373	6" Sch 80S

316		Duplex		Super Duplex	
2500# F316 ASTM A182 ASME B16.5 MDS S01		2500# F51 ASTM A182 ASME B16.5 MDS D44		2500# F53 ASTM A182 ASME B16.5 MDS D54	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1969094	1" Sch 160	1961276	1/2" Sch 80S	1975391	1/2" Sch 80S
1969098	1 1/2" XXS	1961279	3/4" Sch 80S	1975394	3/4" Sch 80S
1969102	2" XXS	1961283	1" Sch 80S	1975397	1" Sch 80S
1969105	3" XXS	1961286	1 1/2" Sch 160	1975401	1 1/2" Sch 80S
		1961291	2" Sch 160	1975405	2" Sch 160
		1961294	3" Sch 160	1975408	3" Sch 160
		1961297	4" Sch 160	1975412	4" Sch 160
				1975415	6" Sch 160



Flanges acc. to NORSOK/TR2000 (M-630, M-650)

Flenser iht. NORSOK/TR2000 (M-630, M-650)

Flanges blind RF/Blindflenser RF

316		Duplex		Super Duplex	
150# F316 ASTM A182 ASME B16.5 MDS S01		150# F51 ASTM A182 ASME B16.5 MDS D44		150# F53 ASTM A182 ASME B16.5 MDS D54	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1967845	1/2"	1961309	1/2"	1975424	1/2"
1967846	3/4"	1961311	3/4"	1975425	3/4"
1967847	1"	1961312	1"	1975426	1"
1967849	1 1/2"	1961314	1 1/2"	1975428	1 1/2"
1967851	2"	1961315	2"	1975429	2"
1967853	3"	1961317	3"	1975432	3"
1967854	4"	1961318	4"	1975433	4"
1967856	6"	1961321	6"	1975435	6"

316		Duplex		Super Duplex	
300# F316 ASTM A182 ASME B16.5 MDS S01		300# F51 ASTM A182 ASME B16.5 MDS D44		300# F53 ASTM A182 ASME B16.5 MDS D54	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1967863	1/2"	1961331	1/2"	1975445	1/2"
1967864	3/4"	1961332	3/4"	1975446	3/4"
1967865	1"	1961333	1"	1975447	1"
1967867	1 1/2"	1961334	1 1/2"	1975448	1 1/2"
1967868	2"	1961335	2"	1975449	2"
1967871	3"	1961336	3"	1975451	3"
1967872	4"	1961337	4"	1975452	4"
		1961339	6"	1975454	6"



Acc. to ASTM A106 Gr. B , ASME B36.10M. NORSOK M-630 MDS C01
From 2" until 20" are dual certified acc to ASTM A333 Gr. 6 / A106 Gr. B,
NORSOK C11/C01

Iht. ASTM A106 Gr. B ASME B36.10M. NORSOK M-630 MDS C01
Fra 2" til og med 20" er dobbeltsertifisert iht ASTM A333 Gr. 6/ASTM A106
Gr. B, NORSOK C11/C01

Seamless carbon steel pipes/Sømløse karbon stålrør

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1220018	1/2" Sch 40 (21,3 x 2,77)
1220023	1/2" Sch 80 (21,3 x 3,73)
1220027	1/2" Sch 160 (21,3 x 4,78)
1220032	3/4" Sch 40 (26,7 x 2,87)
1220036	3/4" Sch 80 (26,7 x 3,91)
1220041	3/4" Sch 160 (26,7 x 5,56)
1220045	1" Sch 40 (33,4 x 3,38)
1220049	1" Sch 80 (33,4 x 4,55)
1220054	1" Sch 160 (33,4 x 6,35)
1220058	1 1/4" Sch 40 (42,2 x 3,56)
1220063	1 1/4" Sch 80 (42,2 x 4,85)
1220067	1 1/2" Sch 40 (48,3 x 3,68)
1220072	1 1/2" Sch 80 (48,3 x 5,08)
1220076	1 1/2" Sch 160 (48,3 x 7,14)
1220081	2" Sch 40 (60,3 x 3,91)
1220085	2" Sch 80 (60,3 x 5,54)
1220089	2" Sch 160 (60,3 x 8,74)
1220094	2 1/2" Sch 40 (73,0 x 5,16)
1220098	2 1/2" Sch 80 (73,0 x 7,01)
1220103	3" Sch 40 (88,9 x 5,49)
1220107	3" Sch 80 (88,9 x 7,62)
1220116	4" Sch 40 (114,3 x 6,02)
1220121	4" Sch 80 (114,3 x 8,56)
1220129	5" Sch 40 (141,3 x 6,55)
1220134	5" Sch 80 (141,3 x 9,52)
1220138	6" Sch 40 (168,3 x 7,11)
1220143	6" Sch 80 (168,3 x 10,97)
1220149	8" Sch 20 (219,1 x 6,35)
1220156	8" Sch 40 (219,1 x 8,18)
1220161	8" Sch 80 (219,1 x 12,7)
1220163	10" Sch 20 (273,0 x 6,35)
1220169	10" Sch 40 (273,0 x 9,27)
1220174	10" Sch 60 (273,0 x 12,7)
1220175	10" Sch 80 (273,0 x 15,1)
1220183	12" STD (323,8 x 9,53)
1220187	12" XS (323,8 x 12,7)
1220122	14" Sch 20 (355,6 x 7,92)
1220123	14" Sch 30/STD (355,6 x 9,53)
1220124	16" Sch 30/STD (406,4 x 9,53)
1220125	20" Sch 20/STD (508,0 x 9,53)



Acc. to ASTM A234 WPB ASME B16.9 .
NORSOK M-630 MDS C01

Iht. ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Seamless elbows 90° LR/ Sømløse bend 90° LR

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1220403	1/2" STD
1220404	1/2" Sch 80
1220405	1/2" Sch 160
1220406	3/4" Sch 40
1220407	3/4" Sch 80
1220408	3/4" Sch 160
1220409	1" Sch 40
1220411	1" Sch 80
1220412	1" Sch 160
1220413	1 1/4" Sch 40
1220414	1 1/4" Sch 80
1220415	1 1/2" Sch 40
1220416	1 1/2" Sch 80
1220417	1 1/2" Sch 160
1220421	2" Sch 40
1220425	2" Sch 80
1220429	2" Sch 160
1220432	2 1/2" Sch 40
1220433	2 1/2" Sch 80
1220434	3" Sch 40
1220438	3" Sch 80
1220443	3" Sch 160
1220447	4" Sch 40
1220452	4" Sch 80
1220456	4" Sch 160
1220461	5" Sch 40
1220463	5" Sch 80
1220465	6" Sch 40
1220469	6" Sch 80
1220476	8" Sch 20
1220483	8" Sch 40
1220487	8" Sch 80
1220489	10" Sch 20
1220496	10" Sch 40
1220501	10" Sch 60
1220509	12" STD
1220514	12" XS



Acc. to ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Iht. ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Seamless elbows 90° SR/Sømløse bend 90° SR

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1220706	2" Sch 40
1220713	2 1/2" Sch 40
1220719	3" Sch 40
1220726	4" Sch 40
1220736	5" Sch 40
1220743	6" Sch 40
1220749	8" Sch 40
1220756	10" Sch 40
1220763	12" STD



Acc. to ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Iht. ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Seamless elbows 45° LR/Sømløse bend 45° LR

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1220621	2" Sch 40
1220625	2" Sch 80
1220629	3" Sch 40
1220634	3" Sch 80
1220638	4" Sch 40
1220643	4" Sch 80
1220656	6" Sch 40
1220661	6" Sch 80
1220665	8" Sch 40
1220669	8" Sch 80
1220674	10" Sch 40
1220678	10" Sch 80
1220683	12" STD
1220687	12" XS



Acc. to ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Iht. ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Seamless equal tees/Sømløse t-rør

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1220804	1/2" Sch 80	1220852	4" Sch 80
1220807	3/4" Sch 80	1220856	4" Sch 160
1220809	1" Sch 40	1220857	5" Sch 40
1220811	1" Sch 80	1220858	5" Sch 80
1220814	1 1/2" Sch 40	1220861	6" Sch 40
1220816	1 1/2" Sch 80	1220865	6" Sch 80
1220821	2" Sch 40	1220874	8" Sch 40
1220825	2" Sch 80	1220878	8" Sch 80
1220829	2" Sch 160	1220883	10" STD
1220831	2 1/2" Sch 40	1220887	10" Sch 60
1220832	2 1/2" Sch 80	1220892	12" STD
1220834	3" Sch 40	1220896	12" XS
1220838	3" Sch 80		
1220843	3" Sch 160		
1220847	4" Sch 40		



Acc. to ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Iht. ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Seamless reducing tees/Sømløse overgangs t-rør

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1221021	3" x 2" Sch 40
1221025	3" x 2" Sch 80
1221029	4" x 3" Sch 40
1221034	4" x 3" Sch 80
1221047	6" x 4" Sch 40
1221065	8" x 6" Sch 40
1221069	8" x 6" Sch 80



Acc. to ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Iht. ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Concentric reducers/Konsentriske overganger

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1221154	1" x 1/2" STD	1221269	6" x 3" STD
1221156	1" x 1/2" XS	1221274	6" x 3" XS
1221157	1" x 3/4" STD	1221283	6" x 4" STD
1221158	1" x 3/4" XS	1221287	6" x 4" XS
1221162	1 1/2" x 1" STD	1221296	6" x 5" STD
1221161	1 1/2" x 1" XS	1221297	6" x 5" XS
1221168	2" x 1" STD	1221301	8" x 4" STD
1221169	2" x 1" XS	1221305	8" x 4" XS
1221174	2" x 1 1/2" STD	1221309	8" x 6" STD
1221175	2" x 1 1/2" XS	1221314	8" x 6" XS
1221221	3" x 2" STD	1221318	10" x 6" STD
1221225	3" x 2" XS	1221323	10" x 6" XS
1221234	4" x 2" STD	1221327	10" x 8" STD
1221238	4" x 2" XS	1221332	10" x 8" XS
1221247	4" x 3" STD	1221345	12" x 10" STD
1221252	4" x 3" XS	1221349	12" x 10" XS
1221261	5" x 4" STD		
1221265	5" x 4" XS		



Acc. to ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Iht. ASTM A234 WPB ASME B16.9.
NORSOK M-630 MDS C01

Eccentric reducers/Eksentriske overganger

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1221429	4" x 2" STD
1221447	6" x 4" Sch 40



Acc. to ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Iht. ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Welding neck flanges/Sveiseflenser med hals

RF 150#		RF 300#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1221621	1/2" STD	1221771	1/2" STD
1221867	1/2" XS	1221966	1/2" XS
1221619	1/2" Sch 160	1220907	1/2" Sch 160
1221625	3/4" STD	1221775	3/4" STD
1221869	3/4" XS	1221968	3/4" XS
1221624	3/4" Sch 160	1220908	3/4" Sch 160
1221629	1" STD	1221779	1" STD
1221871	1" XS	1221971	1" XS
1221628	1" Sch 160	1220909	1" Sch 160
1221634	1 1/4" STD	1220911	1 1/4" STD
1221635	1 1/4" XS	1220912	1 1/4" XS
1220897	1 1/4" Sch 160	1220913	1 1/4" Sch 160
1221638	1 1/2" STD	1221784	1 1/2" STD
1221879	1 1/2" XS	1221975	1 1/2" XS
1221637	1 1/2" Sch 160	1220914	1 1/2" Sch 160
1221643	2" STD	1221788	2" STD
1221884	2" XS	1221979	2" XS
1221646	2" Sch 160	1220915	2" Sch 160
1221647	2 1/2" STD	1220916	2 1/2" STD
1221886	2 1/2" XS	1220917	2 1/2" XS
1220898	2 1/2" Sch 160	1220918	2 1/2" Sch 160
1221652	3" STD	1221793	3" STD
1221888	3" XS	1221984	3" XS
1221655	3" Sch 160	1220919	3" Sch 160
1221656	4" STD	1221797	4" STD
1221893	4" XS	1221988	4" XS
1220899	4" Sch 160	1221989	5" STD
1221661	5" STD	1221991	5" XS
1221895	5" XS	1221802	6" STD
1221665	6" STD	1221993	6" XS
1221897	6" XS	1220921	8" Sch 20
1221668	8" Sch 20	1221806	8" STD
1221671	8" STD	1221997	8" XS
1221902	8" XS	1220923	10" Sch 20
1221673	10" Sch 20	1221811	10" STD
1221674	10" STD	1221812	10" XS
1221676	10" XS	1221815	12" STD
1221678	12" STD	1222005	12" XS
1221682	12" XS	1220929	14" STD
1220203	14" STD	1220936	16" STD
1220209	16" STD	1220942	18" STD
1220215	18" STD	1220948	20" STD
1220222	20" STD		



Acc. to ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Iht. ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Blind flanges/Blindflenser

RF 150#		RF 300#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1222271	1/2"	1222371	1/2"
1222275	3/4"	1222375	3/4"
1222279	1"	1222379	1"
1222282	1 1/4"	1222382	1 1/4"
1222284	1 1/2"	1222384	1 1/2"
1222288	2"	1222388	2"
1222291	2 1/2"	1222391	2 1/2"
1222293	3"	1222393	3"
1222297	4"	1222397	4"
1222299	5"	1222399	5"
1222302	6"	1222402	6"
1222306	8"	1222406	8"
1222311	10"	1222411	10"
1222315	12"	1222415	12"
1222319	14"	1222419	14"
1222324	16"	1222424	16"
1220957	18"	1220961	18"
1220958	20"	1220962	20"



Acc. to ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Iht. ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Slip-on flanges/Glatte sveiseflenser

RF 150#		RF 300#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1222071	1/2"	1222171	1/2"
1222075	3/4"	1222175	3/4"
1222079	1"	1222179	1"
1222082	1 1/4"	1222182	1 1/4"
1222084	1 1/2"	1222184	1 1/2"
1222088	2"	1222188	2"
1222091	2 1/2"	1222191	2 1/2"
1222093	3"	1222193	3"
1222097	4"	1222197	4"
1222102	5"	1222202	5"
1222106	6"	1222206	6"
1222111	8"	1222208	8"
1222115	10"	1222211	10"
1222119	12"	1222215	12"
1222123	14"	1222216	14"
1222128	16"	1222217	16"
1220227	18"	1220229	18"
1220228	20"	1220231	20"



Acc. to ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Iht. ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Lap Joint flanges/Lap Joint flenser

RF 150#		RF 300#	
Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1220537	1/2"	1220559	1/2"
1220538	3/4"	1220561	3/4"
1220539	1"	1220562	1"
1220541	1 1/4"	1220563	1 1/4"
1220542	1 1/2"	1220564	1 1/2"
1220543	2"	1220565	2"
1220544	2 1/2"	1220566	2 1/2"
1220545	3"	1220567	3"
1220547	4"	1220569	4"
1220548	5"	1220571	5"
1220549	6"	1220572	6"
1220551	8"	1220573	8"



Acc. to ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Iht. ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Socket weld flanges/Socket weld flenser

RF 150#		RF 300#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1222571	1/2" XS	1222593	1/2" XS
1222575	3/4" XS	1222594	3/4" XS
1222579	1" XS	1222595	1" XS
1222582	1 1/4" XS	1222596	1 1/4" XS
1222584	1 1/2" XS	1222597	1 1/2" XS
1222588	2" XS	1222598	2" XS
1222589	2 1/2" XS	1222599	2 1/2" XS
1222591	3" XS	1222601	3" XS
1222592	4" XS	1222592	4" XS



Acc. to ASTM A105N ASME B16.5.
NORSOK M-630 MDS C01

Iht. ASTM A105N ASME B16.5
NORSOK M-630 MDS C01

Threaded flanges/Gjengeflenser

RF 150#			RF 300#		
Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1222471	1222533	1/2"	1222513	1222445	1/2"
1222475	1222534	3/4"	1222514	1222446	3/4"
1222479	1222535	1"	1222515	1222447	1"
1222484	1222536	1 1/4"	1222516	1222448	1 1/4"
1222488	1222537	1 1/2"	1222517	1222449	1 1/2"
1222493	1222538	2"	1222518	1222451	2"
1222495	1222539	2 1/2"	1222519	1222452	2 1/2"
1222497	1222541	3"	1222521	1222453	3"
1222502	1222542	4"	1222522	1222454	4"



Acc. to API 5L X52N PSL 2 NORSOK M-630 MDS C22/
S355 G14+N/S355 G15+N EN 10225 NORSOK M-120 MDS Y27/Y22
L=5,8-6,9 meters

Iht. API 5L X52N PSL 2 NORSOK M-630 MDS C22/
S355 G14+N/S355 G15+N EN 10225 NORSOK M-120 MDS Y27/Y22
L=5,8-6,9 meter

All part no are acc. to NORSOK MDS C22, Y27, Y22 except NRF 1094638,
1094639 & 1094641 these are only acc. to NORSOK C22/Y27

Seamless carbon steel pipes/Sømløse karbon stålrør

Sort/Black NRF nr./Part No.	Dimension/ Dimensjon	Sort/Black NRF nr./Part No.	Dimension/ Dimensjon
1094621	1" STD (33,4 x 3,4)	1094472	8" SCH 60 (219,1 x 10,31)
1094622	1" XS (33,4 x 4,5)	1093362	8" SCH 80 (219,1 x 12,7)
1094623	1" SCH160 (33,4 x 6,4)	1093363	8" SCH 100 (219,1 x 15,1)
1094624	1 1/4" STD (42,2 x 3,6)	1094475	8" X 15,88 (219,1 x 15,88)
1094625	1 1/4" XS (42,2 x 4,8)	1093364	8" SCH 120 (219,1 x 18,3)
1094626	1 1/4" SCH160 (42,2 x 6,4)	1094549	8" XXS (219,1 x 22,2)
1093336	1.1/2" SCH 40 (48,3 x 3,7)	1094477	8" X 25,40 (219,1 x 25,40)
1093337	1.1/2" SCH 80 (48,3 x 5,1)	1094632	10" SCH 20 (273,0 x 6,35)
1093338	1.1/2" SCH 160 (48,3 x 7,1)	1093365	10" SCH 40 (273,0 x 9,3)
1094627	1 1/2" X 6,3 (48,3 x 6,3)	1093366	10" SCH 60 (273,0 x 12,7)
1093339	2" SCH 40 (60,3 x 3,9)	1093367	10" SCH 80 (273,0 x 15,1)
1093341	2" SCH 80 (60,3 x 5,5)	1094481	10" X 15,88 (273,0 x 15,88)
1093342	2" SCH 160 (60,3 x 8,7)	1094483	10" X 19,05 (273,0 x 19,05)
1093343	2" XXS (60,3 x 11,1)	1094551	10" SCH 120 (273,0 x 21,44)
1093344	2.1/2" SCH 40 (73,0 x 5,2)	1094484	10" XXS (273,0 x 25,40)
1093345	2.1/2" SCH 80 (73,0 x 7,0)	1093368	12" STD (323,9 x 9,5)
1093346	2.1/2" SCH 160 (73,0 x 9,5)	1094486	12" SCH 40 (323,9 x 10,31)
1093347	3" SCH 40 (88,9 x 5,5)	1093369	12" XS (323,8 x 12,7)
1093348	3" SCH 80 (88,9 x 7,6)	1094552	12" SCH 60 (323,9 x 14,27)
1093349	3" SCH 160 (88,9 x 11,1)	1094488	12" X 15,88 (323,9 x 15,88)
1094546	3" XXS (88,9 x 15,24)	1094491	12" X 19,05 (323,8 x 19,05)
1094628	3 1/2" STD/40 (101,6 x 5,74)	1094553	12" SCH 80 (323,9 x 17,48)
1094629	3 1/2" XS/80 (101,6 x 8,08)	1094554	12" SCH 100 (323,9 x 21,40)
1093351	4" SCH 40 (114,3 x 6,0)	1094493	12" XXS (323,9 x 25,40)
1093352	4" SCH 80 (114,3 x 8,6)	1094495	14" STD (355,6 x 9,53)
1094467	4" SCH 120 (114,3 x 11,13)	1094555	14" SCH 40 (355,6 x 11,1)
1093353	4" SCH 160 (114,3 x 13,5)	1094497	14" XS (355,6 x 12,70)
1094547	4" XXS (114,3 x 17,12)	1094499	14" X 15,88 (355,6 x 15,88)
1093354	5" SCH 40 (141,3 x 6,5)	1094502	14" SCH 80 (355,6 x 19,05)
1093355	5" SCH 80 (141,3 x 9,5)	1094633	14" X 17,5 (355,6 x 17,5)
1093356	5" SCH 120 (141,3 x 12,7)	1094556	14" X 25,4 (355,6 x 25,4)
1093357	6" SCH 40 (168,3 x 7,1)	1094504	16" STD (406,4 x 9,53)
1093358	6" SCH 80 (168,3 x 11,0)	1094506	16" XS (406,4 x 12,70)
1094594	6" X 12,7 (168,3 x 12,7)	1094508	16" X 15,88 (406,4 x 15,88)
1093359	6" SCH 120 (168,3 x 14,3)	1094511	16" X 19,05 (406,4 x 19,05)
1094561	6" SCH 160 (168,3 x 18,26)	1094557	16" SCH 80 (406,4 x 21,44)
1094548	6" XXS (168,3 x 21,95)	1094513	16" X 25,40 (406,4 x 25,40)
1094631	8" SCH 20 (219,1 x 6,35)	1094634	18" STD (457 x 9,53)
1093361	8" SCH 40 (219,1 x 8,2)	1094515	18" XS (457,2 x 12,70)



Acc. to API 5L X52N PSL 2 NORSOK M-630 MDS C22/
S355 G14+N/S355 G15+N EN 10225 NORSOK M-120 MDS Y27/Y22
L=5,8-6,9 meters

Iht. API 5L X52N PSL 2 NORSOK M-630 MDS C22/
S355 G14+N/S355 G15+N EN 10225 NORSOK M-120 MDS Y27/Y22
L=5,8-6,9 meter

All part no are acc. to NORSOK MDS C22, Y27, Y22 except NRF 1094638,
1094639 & 1094641 these are only acc. to NORSOK C22/Y27

Cont. Seamless carbon steel pipes/Sømløse karbon stålrør

Sort/Black NRF nr./Part No.	Dimension/ Dimensjon
1094517	18" X 15,88 (457,2 x 15,88)
1094519	18" SCH 60 (457,2 x 19,05)
1094635	18" X 25,4 (457,2 x 25,40)
1094595	20" SCH 20/STD (508,0 x 9,53)
1094522	20" XS (508,0 x 12,70)
1094524	20" X 15,88 (508,0 x 15,88)
1094559	20" X 19,05 (508,0 x 19,05)
1094636	20" X 25,4 (508,0 x 25,40)
1094637	20" SCH 120 (508,0 x 38,10)
1094638	22" X 38,1 (559,0 x 38,10) (only to NORSOK MDS C22/Y27)
1094639	24" XS (610,0 x 12,70) (only to NORSOK MDS C22/Y27)
1094641	24" X 25,4 (610,0 x 25,40) (only to NORSOK MDS C22/Y27)



Acc. to ASTM A860 Gr. WPHY52/A420 Gr. WPL6 ASME B16.9.
NORSOK M-630 MDS C23/C11

Iht. ASTM A860 Gr. WPHY52/A420 Gr. WPL6 ASME B16.9.
NORSOK M-630 MDS C23/C11

Seamless elbows 90° LR/Sømløse bend 90° LR

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1221903	1 1/2" Sch 40/STD
1221904	1 1/2" Sch 80/XS
1221905	1 1/2" Sch 160
1221906	2" Sch 40/STD
1221907	2" Sch 80/XS
1221908	2" Sch 160
1221909	2" XXS
1221911	2 1/2" Sch 40/STD
1221912	2 1/2" Sch 80/XS
1221913	2 1/2" Sch 160
1221914	3" Sch 40/STD
1221915	3" Sch 80/XS
1221916	3" Sch 160
1221917	4" Sch 40/STD
1221918	4" Sch 80/XS
1221919	4" Sch 120
1221921	4" Sch 160
1221922	5" Sch 40/STD
1221923	5" Sch 80/XS
1221924	5" Sch 120
1221925	6" Sch 40/STD
1221926	6" Sch 80/XS
1221927	6" Sch 120
1221928	8" Sch 40/STD
1221929	8" Sch 60
1221931	8" Sch 80/XS
1221932	8" Sch100
1221933	10" Sch 40/STD
1221934	10" Sch 60/XS
1221935	10" Sch 80
1221936	12" STD
1221937	12" Sch 40
1221938	12" XS
1221939	12" Sch60
1221941	12" Sch 80
1221942	14" Sch30/STD
1221943	14" XS
1221944	14" X 15,88
1221945	16" STD
1221946	16" XS
1221947	16" X 15,88
1221948	20" STD
1221949	20" XS
1221951	24" XS



Acc. to ASTM A860 Gr. WPHY52/A420 Gr. WPL6 ASME B16.9.
NORSOK M-630 MDS C23/C11

Iht. ASTM A860 Gr. WPHY52/A420 Gr. WPL6 ASME B16.9.
NORSOK M-630 MDS C23/C11

Seamless equal tees/Sømløse t-rør

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1220966	1 1/2" Sch 40/STD	1220985	5" Sch 40/STD
1220967	1 1/2" Sch 80/XS	1220986	5" Sch 80/XS
1220968	1 1/2" Sch 160	1220987	6" Sch 40/STD
1220969	2" Sch 40/STD	1220988	6" Sch 80/XS
1220971	2" Sch 80/XS	1220989	6" Sch 120
1220972	2" Sch 160	1220991	8" Sch 40/STD
1220973	2" XXS	1220992	8" Sch 60
1220974	2 1/2" Sch 40/STD	1220993	8" Sch 80/XS
1220975	2 1/2" Sch 80/XS	1220994	8" Sch 100
1220976	2 1/2" Sch 160	1220995	10" Sch 40/STD
1220977	3" Sch 40/STD	1220996	10" Sch 60/XS
1220978	3" Sch 80/XS	1220997	10" Sch 80
1220979	3" Sch 160	1220998	12" STD
1220981	4" Sch 40/STD	1220999	12" Sch 40
1220982	4" Sch 80/XS	1221001	12" XS
1220983	4" Sch 120	1221002	12" Sch 60
1220984	4" Sch 160		



Acc. to ASTM A860 Gr. WPHY52/A420 Gr. WPL6 ASME B16.9.
NORSOK M-630 MDS C23/C11

Iht. ASTM A860 Gr. WPHY52/A420 Gr. WPL6 ASME B16.9.
NORSOK M-630 MDS C23/C11

Concentric reducers/Konsentriske overganger

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1222682	2" X 1 1/2" STD/Sch 40	1222696	4" X 3" Sch 160
1222683	2" X 1 1/2" XS/Sch 80	1222697	5" X 4" STD/Sch 40
1222684	2" X 1 1/2" Sch 160	1222698	5" X 4" XS/Sch 80
1222685	2 1/2" X 2" XS/Sch 80	1222699	6" X 4" STD/Sch 40
1222686	2 1/2" X 2" Sch 160	1222701	6" X 4" XS/Sch 80
1222687	3" X 2" STD/Sch 40	1222702	6" X 5" XS/Sch 80
1222688	3" X 2" XS/Sch 80	1222703	8" X 6" STD/Sch 40
1222689	3" X 2" Sch 160	1222704	8" X 6" XS/Sch 80
1222691	3" X 2 1/2" STD/Sch 40	1222705	10" X 8" STD/Sch 40
1222692	3" X 2 1/2" XS/Sch 80	1222706	10" X 8" XS
1222693	3" X 2 1/2" Sch 160	1222707	12" X 10" STD
1222694	4" X 3" STD/Sch 40	1222708	12" X 10" XS
1222695	4" X 3" XS/Sch 80		



Acc. to ASTM A860 Gr. WPHY52/A420 Gr. WPL6 ASME B16.9.
NORSOK M-630 MDS C23/C11

Iht. ASTM A860 Gr. WPHY52/A420 Gr. WPL6 ASME B16.9.
NORSOK M-630 MDS C23/C11

Caps/Endebunner

Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1221351	1 1/2" Sch 40/STD
1221352	1 1/2" Sch 80/XS
1221353	1 1/2" Sch 160
1221354	2" Sch 40/STD
1221355	2" Sch 80/XS
1221356	2" Sch 160
1221357	2" XXS
1221358	2 1/2" Sch 40/STD
1221359	2 1/2" Sch 80/XS
1221361	2 1/2" Sch 160
1221362	3" Sch 40/STD
1221363	3" Sch 80/XS
1221364	3" Sch 160
1221365	4" Sch 40/STD
1221366	4" Sch 80/XS
1221367	4" Sch 120
1221368	4" Sch 160
1221369	5" Sch 40/STD
1221371	5" Sch 80/XS
1221372	5" Sch 120
1221373	6" Sch 40/STD
1221374	6" Sch 80/XS
1221375	6" Sch 120
1221376	8" Sch 40/STD
1221377	8" Sch 80/XS
1221378	8" Sch100
1221379	10" Sch 40/STD
1221381	10" Sch 60/XS
1221382	10" Sch 80
1221383	12" STD
1221384	12" Sch 40
1221385	12" XS
1221386	12" Sch 60



Acc. to ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Iht. ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Welding neck flanges/Sveiseflenser med hals

RF 150#		RF 300#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1225792	1 1/2" Sch 40STD	1225853	1 1/2" Sch 40STD
1225793	1 1/2" Sch 80XS	1225854	1 1/2" Sch 80XS
1225794	1 1/2" Sch 160	1225855	1 1/2" Sch 160
1225795	2" Sch 40/STD	1225856	2" Sch 40/STD
1225796	2" Sch 80/XS	1225857	2" Sch 80/XS
1225797	2" Sch 160	1225858	2" Sch 160
1225798	2" XXS	1225859	2" XXS
1225799	2 1/2" Sch 40STD	1225861	2 1/2" Sch 40STD
1225801	2 1/2" Sch 80XS	1225862	2 1/2" Sch 80XS
1225802	2 1/2" Sch 160	1225864	3" Sch 40/STD
1225803	3" Sch 40/STD	1225865	3" Sch 80/XS
1225804	3" Sch 80/XS	1225866	3" Sch 160
1225805	3" Sch 160	1225867	4" Sch 40/STD
1225806	4" Sch 40/STD	1225868	4" Sch 80/XS
1225807	4" Sch 80/XS	1225869	4" Sch 120
1225808	4" Sch 160	1225871	4" Sch 160
1225809	5" Sch 40/STD	1225872	5" Sch 40/STD
1225811	5" Sch 80/XS	1225873	5" Sch 80/XS
1225812	6" Sch 40/STD	1225874	6" Sch 40/STD
1225813	6" Sch 80/XS	1225875	6" Sch 80/XS
1225814	8" Sch 40/STD	1225876	6" Sch 120
1225815	8" Sch 80/XS	1225877	8" Sch 40/STD
1225816	10" Sch 40/STD	1225878	8" Sch 80/XS
1225817	10" Sch 60/XS	1225879	8" Sch 100
1225818	12" STD	1225881	10" Sch 40/STD
1225819	12" XS	1225882	10" Sch 60/XS
		1225883	10" Sch 80
		1225884	12" STD
		1225885	12" Sch 40
		1225886	12" XS
		1225887	12" Sch 60
		1225888	12" Sch 80



Acc. to ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Iht. ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Welding neck flanges/Sveiseflenser med hals

RTJ 600#		RTJ 1500#		RTJ 2500#	
Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon	Part No./ NRF nr.	Dimension/ Dimensjon
1225922	1 1/2" Sch 160	1225944	1 1/2" Sch 160	1225959	1 1/2" XXS
1225923	2" Sch 160	1225945	2" Sch 160	1225961	2" XXS
1225925	3" XS/Sch 80	1225946	2 1/2" Sch 160	1225962	2 1/2" XXS
1225926	4" XS/Sch 80	1225947	3" Sch 160	1225963	3" XXS
1225927	5" XS/Sch 80	1225948	4" Sch 160	1225964	4" XXS
1225928	6" XS/Sch 80	1225949	5" Sch 160	1225965	5" XXS
1225929	8" XS/Sch 80	1225951	6" Sch 160	1225966	6" XXS
1225931	10" Sch 80				
1225932	12" Sch 80				



Acc. to ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Iht. ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Blind flanges/Blindflenser

RF 150#		RF 300#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1225821	1 1/2"	1225889	1 1/2"
1225822	2"	1225891	2"
1225823	2 1/2"	1225892	2 1/2"
1225824	3"	1225893	3"
1225825	4"	1225894	4"
1225826	5"	1225895	5"
1225827	6"	1225896	6"
1225828	8"	1225897	8"
1225829	10"	1225898	10"
1225831	12"	1225899	12"



Acc. to ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Iht. ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Blind flanges/Blindflenser

RTJ 600#		RTJ 1500#		RTJ 2500#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1225933	1 1/2"	1225952	1 1/2"	1225967	1 1/2"
1225934	2"	1225953	2"	1225968	2"
1225936	3"	1225954	2 1/2"	1225969	2 1/2"
1225937	4"	1225955	3"	1225971	3"
1225938	5"	1225956	4"	1225972	4"
1225939	6"	1225957	5"	1225973	5"
1225941	8"	1225958	6"	1225974	6"
1225942	10"				
1225943	12"				



Acc. to ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Iht. ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Slip-on flanges/Glatte sveiseflenser

RF 150#		RF 300#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1225832	1 1/2"	1225901	1 1/2"
1225833	2"	1225902	2"
1225834	2 1/2"	1225903	2 1/2"
1225835	3"	1225904	3"
1225836	4"	1225905	4"
1225837	5"	1225906	5"
1225838	6"	1225907	6"
1225839	8"	1225908	8"
1225841	10"	1225909	10"
1225842	12"	1225911	12"



Acc. to ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Iht. ASTM A694 Gr. F52/A350 Gr. LF2 ASME B.16.5.
NORSOK MDS C21/C11

Socket weld flanges/Socket weld flenser

RF 150#		RF 300#	
Black/Sort Part No./NRF nr.	Dimension/ Dimensjon	Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1225843	1/2" XS	1225912	1/2" XS
1225844	3/4" XS	1225913	3/4" XS
1225845	1" XS	1225914	1" XS
1225846	1 1/4" XS	1225915	1 1/4" XS
1225847	1 1/2" XS	1225916	1 1/2" XS
1225848	2" XS	1225917	2" XS
1225849	2 1/2" XS	1225918	2 1/2" XS
1225851	3" XS	1225919	3" XS
1225852	4" XS	1225921	4" XS

Acc. to A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Iht. A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Elbows 90° NPT, 3000 lbs/Albuer 90°



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223006	1225006	1/2"
1223008	1225008	3/4"
1223011	1225011	1"
1223013	1225013	1 1/4"
1223015	1225015	1 1/2"
1223017	1225017	2"

Elbows 45° NPT, 3000 lbs/Albuer 45°



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223066	1225066	1/2"
1223068	1225068	3/4"
1223071	1225071	1"
1223073	1225073	1 1/4"
1223075	1225075	1 1/2"
1223077	1225077	2"

Tees NPT, 3000 lbs/T-rør



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223126	1225126	1/2"
1223128	1225128	3/4"
1223131	1225131	1"
1223133	1225133	1 1/4"
1223135	1225135	1 1/2"
1223137	1225137	2"

Acc. to A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Iht. A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Couplings NPT, 3000 lbs/Muffer



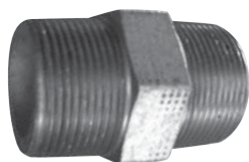
Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223312		1/4"
1223314		3/8"
1223316	1225316	1/2"
1223318	1225318	3/4"
1223321	1225321	1"
1223323	1225323	1 1/4"
1223325	1225325	1 1/2"
1223327	1225327	2"

Half couplings NPT, 3000 lbs/Halvmuffer



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224421	1/2"
1224422	3/4"
1224423	1"
1224424	1 1/4"
1224425	1 1/2"
1224426	2"

Hexagonal nipples NPT, 3000 lbs/Ansatsnipler



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223706	1225706	1/2"
1223708	1225708	3/4"
1223711	1225711	1"
1223713	1225713	1 1/4"
1223715	1225715	1 1/2"
1223717	1225717	2"

Acc. to A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Iht. A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Reducing hexagonal nipples NPT, 3000 lbs/Overgangsansatsnipler



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223618	1225618	3/4" x 1/2"
1223623	1225623	1" x 3/4"
1223625	1225625	1" x 1/2"
1223632	1225632	1 1/2" x 1"
1223634	1225634	1 1/2" x 3/4"
1223636	1225636	1 1/2" x 1/2"
1223638	1225638	2" x 1 1/2"
1223641	1225641	2" x 1"

Reducing couplings NPT, 3000 lbs/Overgangsmuffer



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223238	1225238	3/4" x 1/2"
1223243	1225243	1" x 3/4"
1223245	1225245	1" x 1/2"
1223249	1225249	1 1/4" x 1"
1223251	1224401	1 1/2" x 1 1/4"
1223252	1225252	1 1/2" x 1"
1223254	1225254	1 1/2" x 3/4"
1223256	1225256	1 1/2" x 1/2"
1223258	1225258	2" x 1 1/2"
1223261	1225261	2" x 1"

Unions ff (female) NPT, 3000 lbs/Unioner



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223378	1225378	1/2"
1223381	1225381	3/4"
1223383	1225383	1" w
1223385	1225385	1 1/4"
1223387	1225387	1 1/2"
1223389	1225389	2"

Acc. to A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Iht. A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Hex. head plugs NPT 3000/6000 lbs/Sekskantplugg



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223496	1225496	1/2"
1223498	1225498	3/4"
1223501	1225501	1"
1223503	1225503	1 1/4"
1223505	1225505	1 1/2"
1223507	1225507	2"

Caps NPT, 3000 lbs/Kapper



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223556	1225556	1/2"
1223558	1225558	3/4"
1223561	1225561	1"
1223563	1225563	1 1/4"
1223565	1225565	1 1/2"
1223567	1225567	2"

Hex. Head bushings NPT, 3000 lbs/Overgangsnipler



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1223768	1225768	3/4" x 1/2"
1223773	1225773	1" x 3/4"
1223775	1225775	1" x 1/2"
1223778	1225778	1 1/4" x 3/4"
1223779	1225779	1 1/4" x 1"
1223781	1225781	1 1/2" x 1 1/4"
1223782	1225782	1 1/2" x 1"
1223784	1225784	1 1/2" x 3/4"
1223786	1225786	1 1/2" x 1/2"
1223787	1225787	2" x 1 1/4"
1223788	1225788	2" x 1 1/2"
1223791	1225791	2" x 1"

Acc. to A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Iht. A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Pipe nipples L=101mm NPT, 3000 lbs/Tønnenipler



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1224437	1224449	1/2" XS
1224438	1224451	3/4" XS
1224439	1224452	1" XS
1224441	1224453	1 1/4" XS
1224442	1224454	1 1/2" XS
1224443	1224455	2" XS

Swage nipples TBE NPT, 3000 lbs



Black/Sort Part No./NRF nr.	Galvanized/Galv. Part No./NRF nr.	Dimension/ Dimensjon
1220244	1220312	3/4" x 1/2" XS
1220254	1220322	1" x 1/2" XS
1220257	1220325	1" x 3/4" XS
1220261	1220328	1 1/4" x 1/2" XS
1220264	1220332	1 1/4" x 3/4" XS
1220267	1220335	1 1/4" x 1" XS
1220271	1220338	1 1/2" x 1/2" XS
1220274	1220342	1 1/2" x 3/4" XS
1220277	1220345	1 1/2" x 1" XS
1220281	1220348	1 1/2" x 1 1/4" XS
1220287	1220355	2" x 3/4" XS
1220291	1220358	2" x 1" XS
1220294	1220362	2" x 1 1/4" XS
1220297	1220365	2" x 1 1/2" XS

Welding Bosses NPT, 3000 lbs



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224428	1/2"
1224429	3/4"
1224431	1"
1224432	1 1/4"
1224433	1 1/2"
1224434	2"

Acc. to A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Iht. A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Elbows 90° SW, 3000 lbs/Albuer 90°



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1223846	1/2"
1223848	3/4"
1223851	1"
1223853	1 1/4"
1223855	1 1/2"
1223857	2"

Elbows 45° SW, 3000 lbs/Albuer 45°



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224402	1/2"
1223908	3/4"
1223911	1"
1224403	1 1/4"
1223915	1 1/2"
1223917	2"

Tees SW, 3000 lbs/T-rør



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1223966	1/2"
1223968	3/4"
1223971	1"
1224404	1 1/4"
1223975	1 1/2"
1223977	2"

Acc. to A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Iht. A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Half couplings SW, 3000 lbs/Halvmuffer



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224286	1/2"
1224288	3/4"
1224291	1"
1224293	1 1/4"
1224295	1 1/2"
1224405	2"

Couplings SW, 3000 lbs/Muffer



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224226	1/2"
1224228	3/4"
1224231	1"
1224233	1 1/4"
1224235	1 1/2"
1224237	2"

Caps SW, 3000 lbs/Kapper



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224486	1/2"
1224488	3/4"
1224491	1"
1224406	1 1/4"
1224407	1 1/2"
1224408	2"

Acc. to A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Iht. A105N/A106 Gr. B/A234 WPB ASME B16.11/ASME B36.10/ MSS SP95/
BS 3799/MSS SP83/ASME B1.20.1/MSS SP25. NORSOK M-630 C01

Reducing couplings SW, 3000 lbs/Overgangsmuffer



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1220378	3/4 x 1/2"
1220381	1 x 3/4"
1220382	1 x 1/2"
1220384	1 1/4 x 1"
1220385	1 1/2 x 1 1/4"
1220386	1 1/2 x 1"
1220387	1 1/2 x 3/4"
1220388	1 1/2 x 1/2"
1220389	2 x 1 1/2"
1220391	2 x 1"

Unions ff (female) SW, 3000 lbs/Unioner



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224026	1/2"
1224028	3/4"
1224031	1"
1224033	1 1/4"
1224035	1 1/2"
1224037	2"

Welding Bosses SW, 3000 lbs

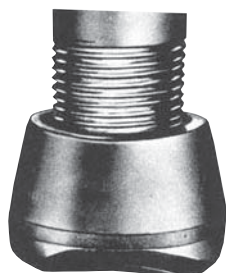


Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1220368	1/2"
1220369	3/4"
1220371	1"
1220372	1 1/4"
1220373	1 1/2"
1220374	2"

Acc. to A105N ASME B16.11/MSS SP97/ASME B36.10/ASME B31.1/
ASME B31.3/ASME B16.25/MSS SP25. NORSOK M-630 C01

Iht. A105N ASME B16.11/MSS SP97/ASME B36.10/ASME B31.1/
ASME B31.3/ASME B16.25/MSS SP25. NORSOK M-630 C01

Threaded outlets NPT, 3000 lbs



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224493	1/2" x 3/4"
1224494	1/2" x 1"
1224495	1/2" x 1 1/2"-1 1/4"
1224496	1/2" x 2 1/2"-2"
1224497	1/2" x 8"-3"
1224499	3/4" x 1"
1224501	3/4" x 1 1/2"-1 1/4"
1224502	3/4" x 2 1/2"-2"
1224503	3/4" x 5"-3"
1224506	1" x 1 1/2"
1224507	1" x 2"
1224508	1" x 2 1/2"
1224509	1" x 3 1/2"-3"
1224511	1" x 5"-4"
1224513	1 1/4" x 1 1/2"
1224514	1 1/4" x 2"
1224516	1 1/4" x 3 1/2"-3"
1224517	1 1/4" x 5"-4"
1224518	1 1/4" x 8"-6"
1224521	1 1/2" x 2"
1224523	1 1/2" x 3"
1224524	1 1/2" x 4"-3 1/2"
1224525	1 1/2" x 6"-5"
1224526	1 1/2" x 12"-8"
1224529	2" x 3"
1224531	2" x 4"
1224532	2" x 5"
1224533	2" x 6"

Acc. to A105N ASME B16.11/MSS SP97/ASME B36.10/ASME B31.1/
ASME B31.3/ASME B16.25/MSS SP25. NORSOK M-630 C01

Iht. A105N ASME B16.11/MSS SP97/ASME B36.10/ASME B31.1/
ASME B31.3/ASME B16.25/MSS SP25. NORSOK M-630 C01

Socket outlets SW, 3000 lbs



Black/Sort Part No./NRF nr.	Dimension/ Dimensjon
1224536	1/2" x 3/4"
1224537	1/2" x 1"
1224538	1/2" x 1 1/2"-1 1/4"
1224539	1/2" x 2 1/2"-2"
1224541	1/2" x 8"-3"
1224543	3/4" x 1"
1224544	3/4" x 1 1/2"-1 1/4"
1224545	3/4" x 2 1/2"-2"
1224546	3/4" x 5"-3"
1224549	1" x 1 1/4"
1224551	1" x 1 1/2"
1224552	1" x 2"
1224553	1" x 2 1/2"
1224554	1" x 3 1/2"-3"
1224555	1" x 5"-4"
1224557	1 1/4" x 1 1/2"
1224558	1 1/4" x 2"
1224559	1 1/4" x 2 1/2"
1224561	1 1/4" x 3 1/2"-3"
1224562	1 1/4" x 5"-4"
1224563	1 1/4" x 8"-6"
1224565	1 1/2" x 2"
1224566	1 1/2" x 2 1/2"
1224567	1 1/2" x 3"
1224568	1 1/2" x 4"-3 1/2"
1224569	1 1/2" x 6"-5"
1224574	2" x 3"
1224575	2" x 4"
1224576	2" x 5"
1224577	2" x 6"

Acc. to A105N ASME B16.11/MSS SP97/ASME B36.10/ASME B31.1/
ASME B31.3/ASME B16.25/MSS SP25. NORSOK M-630 C01

Iht. A105N ASME B16.11/MSS SP97/ASME B36.10/ASME B31.1/
ASME B31.3/ASME B16.25/MSS SP25. NORSOK M-630 C01

Welding outlets, 3000 lbs



Black/Sort Part No./NRF nr.

Dimension/ Dimensjon

1224588	1/2" x 3/4" XS
1224589	1/2" x 1" XS
1224591	1/2" x 1 1/2"-1 1/4" XS
1224592	1/2" x 2 1/2"-2" XS
1224593	1/2" x 8"-3" XS
1224611	3/4" x 1" XS
1224612	3/4" x 1 1/2"-1 1/4" XS
1224613	3/4" x 2 1/2"-2" XS
1224614	3/4" x 5"-3" XS
1224637	1" x 1 1/4" XS
1224638	1" x 1 1/2" XS
1224639	1" x 2" XS
1224641	1" x 2 1/2" XS
1224642	1" x 3 1/2"-3" XS
1224643	1" x 5"-4" XS
1224666	1 1/4" x 1 1/2" XS
1224667	1 1/4" x 2" XS
1224668	1 1/4" x 2 1/2" XS
1224669	1 1/4" x 3 1/2"-3" XS
1224671	1 1/4" x 5"-4" XS
1224695	1 1/2" x 2" XS
1224696	1 1/2" x 2 1/2" XS
1224697	1 1/2" x 3" XS
1224698	1 1/2" x 4"-3 1/2" XS
1224699	1 1/2" x 6"-5" XS
1224728	2" x 2 1/2" XS
1224729	2" x 3" XS
1224731	2" x 4" XS
1224732	2" x 5" XS
1224733	2" x 6" XS
1224734	2" x 10"-8" XS
1224756	2 1/2" x 3" XS
1224757	2 1/2" x 4" XS
1224776	3" x 4" XS
1224777	3" x 5" XS
1224778	3" x 6" XS
1224779	3" x 8" XS
1224796	4" x 6" XS
1224797	4" x 8" XS

Oil&Gas

ASME B36.10M/ASME B36.19M PIPE SCHEDULES

Nom. pipe size inches	O.D mm	Sch 10S		Sch 10		Sch 20		Sch 30		Sch 40S/ STD		Sch 40		Sch 60		Sch 80S/ XS		Sch 80		Sch 100		Sch 120		Sch 140		Sch 160		XXS	
		Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m	Wall mm	Mass kg/m
1/2	21,3	2,11	1,00					2,41	1,12	2,77	1,27					3,73	1,62									4,78	1,95	7,47	2,55
3/4	26,7	2,11	1,28					2,41	1,44	2,87	1,69					3,91	2,20									5,56	2,90	7,82	3,64
1	33,4	2,77	2,09					2,90	2,18	3,38	2,50					4,55	3,24									6,35	4,24	9,09	5,45
1 1/4	42,2	2,77	2,69					2,97	2,87	3,56	3,39					4,85	4,47									6,35	5,61	9,70	7,77
1 1/2	48,3	2,77	3,11					3,18	3,53	3,68	4,05					5,08	5,41									7,14	7,25	10,15	9,55
2	60,3	2,77	3,93					3,18	4,48	3,91	5,44					5,54	7,48									8,74	11,11	11,07	13,44
2 1/2	73,0	3,05	5,26					4,78	8,04	5,16	8,63					7,01	11,41									9,53	14,92	14,02	20,39
3	88,9	3,05	6,46					4,78	9,92	5,49	11,29					7,62	15,27									11,13	21,35	15,24	27,68
3 1/2	101,6	3,05	7,41					4,78	11,41	5,74	13,57					8,08	18,64												
4	114,3	3,05	8,37					4,78	12,91	6,02	16,08					8,56	22,32					11,13	28,32			13,49	33,54	17,12	41,03
5	141,3	3,40	11,56							6,55	21,77					9,52	30,97					12,70	40,28			15,88	49,12	19,05	57,43
6	168,3	3,40	13,83							7,11	28,26					10,97	42,56					14,27	54,21			18,26	67,57	21,95	79,22
8	219,1	3,76	19,97							8,18	42,55			10,31	53,09	12,70	64,64			15,09	75,92	18,26	90,44	20,62	100,93	23,01	111,27	22,23	107,93
10	273,0	4,19	27,79							9,27	60,31			12,70	81,53	12,70	81,56			18,26	114,71	21,44	133,01	25,40	155,10	28,58	172,27	25,40	155,10
12	323,8	4,57	35,99							9,53	73,88			14,27	108,93	12,70	97,47			21,44	159,87	25,40	186,92	28,58	208,08	33,32	238,69	25,40	186,92
14	355,6	4,78	41,36							9,53	81,33			15,09	126,72	12,70	107,40			23,83	194,98	27,79	224,66	31,75	253,58	35,71	281,72		
16	406,4	4,78	47,34							9,53	93,27			16,66	160,13	12,70	123,31			26,19	245,57	30,96	286,66	36,53	333,21	40,49	365,38		
18	457,0	4,78	53,31							9,53	105,14			19,05	205,75	12,70	139,07			29,36	309,64	34,93	363,58	39,67	408,28	45,24	459,39		
20	508,0	5,54	68,65							9,53	117,15			20,62	247,84	12,70	155,13			32,54	381,55	38,10	441,52	44,45	508,15	50,01	564,85		
22	559,0	5,54	75,62											22,23	294,27					34,93	451,45	41,28	527,05	47,63	600,67	53,98	672,30		
24	610,0	6,35	94,53							9,53	141,12			24,61	355,28	12,70	187,07			38,89	547,74	46,02	640,07	52,37	720,19	59,54	808,27		

dahl.no



ASTM A350 LF2, Carbon Steel/Karbonstål

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"x1/2"x1/2"	150#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCAC102R	BLAC11R	BF2000 BF	5601571
3/4"x3/4"x3/4"	150#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCAC102R	BLAC11R	BF2000 BF	5601572
1"x1"x1"	150#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCAC102R	BLAC11R	BF2000 BF	5601573
1 1/2"x1 1/2"x1 1/2"	150#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCAC102R	BLAC11R	BF2000 BF	5601574
2"x2"x2"	150#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCAC102R	BLAC11R	BF2000 BF	5601575
3"x3"x3"	150#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCAC102R	BLAC11R	BF2000 BF	5601576
4"x4"x4"	150#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCAC102R	BLAC11R	BF2000 BF	5601577
2"x2"x2"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSAC102R	BLAC41R	A90RL RL	5601581
3"x3"x3"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSAC102R	BLAC41R	A90RL RL	5601582
4"x4"x4"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSAC102R	BLAC41R	A90RL RL	5601583
6"x6"x6"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSAC102R	BLAC41R	A90RL RL	5601584
8"x8"x8"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSAC102R	BLAC41R	A90RL RL	5601585
1/2"x1/2"x1/2"	300#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCBC102R	BLBC11R	BF2000 BF	5601591
3/4"x3/4"x3/4"	300#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCBC102R	BLBC11R	BF2000 BF	5601592
1"x1"x1"	300#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCBC102R	BLBC11R	BF2000 BF	5601593
1 1/2"x1 1/2"x1 1/2"	300#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCBC102R	BLBC11R	BF2000 BF	5601594
2"x2"x2"	300#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCBC102R	BLBC11R	BF2000 BF	5601595
3"x3"x3"	300#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCBC102R	BLBC11R	BF2000 BF	5601596
4"x4"x4"	300#	Ball	Floating / Split Body, Bolted	ASTM A350 LF2	BCBC102R	BLBC11R	BF2000 BF	5601597
2"x2"x2"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSBC102R	BLBC41R	A90RL RL	5601601
3"x3"x3"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSBC102R	BLBC41R	A90RL RL	5601602
4"x4"x4"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSBC102R	BLBC41R	A90RL RL	5601603
6"x6"x6"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSBC102R	BLBC41R	A90RL RL	5601604
8"x8"x8"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BSBC102R	BLBC41R	A90RL RL	5601605
2"x2"x2"	1500#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BMFC102J	BLFC61J	A90RL RM	5601611
3"x3"x3"	1500#	Ball	Trunnion / Split Body, Bolted	ASTM A350 LF2	BMFC102J	BLFC61J	A90RL RM	5601612

ASTM A182 F316, Stainless steel/ Rustfritt stål

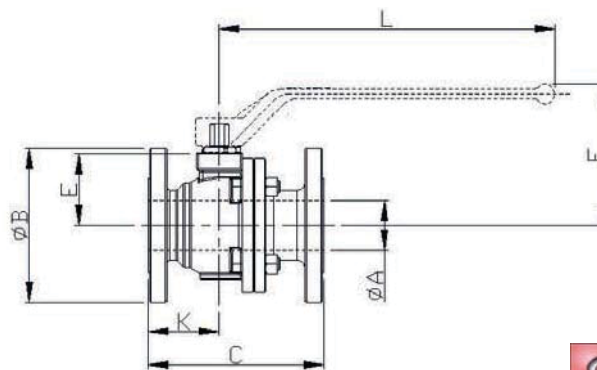
Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"x1/2"x1/2"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCAS302R	BLAS10R	BF2000 BF	5601621
3/4"x3/4"x3/4"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCAS302R	BLAS10R	BF2000 BF	5601622
1"x1"x1"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCAS302R	BLAS10R	BF2000 BF	5601623
1 1/2"x1 1/2"x1 1/2"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCAS302R	BLAS10R	BF2000 BF	5601624
2"x2"x2"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCAS302R	BLAS10R	BF2000 BF	5601625
3"x3"x3"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCAS302R	BLAS10R	BF2000 BF	5601626
4"x4"x4"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCAS302R	BLAS10R	BF2000 BF	5601627
2"x2"x2"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSAS302R	BLAS40R	A90RL RL	5601631
3"x3"x3"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSAS302R	BLAS40R	A90RL RL	5601632
4"x4"x4"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSAS302R	BLAS40R	A90RL RL	5601633
6"x6"x6"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSAS302R	BLAS40R	A90RL RL	5601634
8"x8"x8"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSAS302R	BLAS40R	A90RL RL	5601635
1/2"x1/2"x1/2"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCBS302R	BLBS10R	BF2000 BF	5601641
3/4"x3/4"x3/4"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCBS302R	BLBS10R	BF2000 BF	5601642
1"x1"x1"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCBS302R	BLBS10R	BF2000 BF	5601643
1 1/2"x1 1/2"x1 1/2"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCBS302R	BLBS10R	BF2000 BF	5601644
2"x2"x2"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCBS302R	BLBS10R	BF2000 BF	5601645
3"x3"x3"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCBS302R	BLBS10R	BF2000 BF	5601646
4"x4"x4"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F316	BCBS302R	BLBS10R	BF2000 BF	5601647
2"x2"x2"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSBS302R	BLBS40R	A90RL RL	5601651
3"x3"x3"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSBS302R	BLBS40R	A90RL RL	5601652
4"x4"x4"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSBS302R	BLBS40R	A90RL RL	5601653
6"x6"x6"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSBS302R	BLBS40R	A90RL RL	5601654
8"x8"x8"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BSBS302R	BLBS40R	A90RL RL	5601655
2"x2"x2"	1500#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BMFS302J	BLFS60J	A90RL RM	5601661
3"x3"x3"	1500#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F316	BMFS302J	BLFS60J	A90RL RM	5601662



ASTM A182 F51, Duplex Steel

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"x1/2"x1/2"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCAD102R	BLAD10R	BF2000 BF	5601671
3/4"x3/4"x3/4"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCAD102R	BLAD10R	BF2000 BF	5601672
1"x1"x1"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCAD102R	BLAD10R	BF2000 BF	5601673
1 1/2"x1 1/2"x1 1/2"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCAD102R	BLAD10R	BF2000 BF	5601674
2"x2"x2"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCAD102R	BLAD10R	BF2000 BF	5601675
3"x3"x3"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCAD102R	BLAD10R	BF2000 BF	5601676
4"x4"x4"	150#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCAD102R	BLAD10R	BF2000 BF	5601677
2"x2"x2"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSAD104R	BLAD40R	A90RL RL	5601681
3"x3"x3"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSAD104R	BLAD40R	A90RL RL	5601682
4"x4"x4"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSAD104R	BLAD40R	A90RL RL	5601683
6"x6"x6"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSAD104R	BLAD40R	A90RL RL	5601684
8"x8"x8"	150#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSAD104R	BLAD40R	A90RL RL	5601685
1/2"x1/2"x1/2"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCBD102R	BLBD10R	BF2000 BF	5601691
3/4"x3/4"x3/4"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCBD102R	BLBD10R	BF2000 BF	5601692
1"x1"x1"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCBD102R	BLBD10R	BF2000 BF	5601693
1 1/2"x1 1/2"x1 1/2"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCBD102R	BLBD10R	BF2000 BF	5601694
2"x2"x2"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCBD102R	BLBD10R	BF2000 BF	5601695
3"x3"x3"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCBD102R	BLBD10R	BF2000 BF	5601696
4"x4"x4"	300#	Ball	Floating / Split Body, Bolted	ASTM A182 F51	BCBD102R	BLBD10R	BF2000 BF	5601697
2"x2"x2"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSBD102R	BLBD40R	A90RL RL	5601701
3"x3"x3"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSBD102R	BLBD40R	A90RL RL	5601702
4"x4"x4"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSBD102R	BLBD40R	A90RL RL	5601703
6"x6"x6"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSBD102R	BLBD40R	A90RL RL	5601704
8"x8"x8"	300#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BSBD102R	BLBD40R	A90RL RL	5601705
2"x2"x2"	1500#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BMFD102J	BLFD60J	A90RL RM	5601711
3"x3"x3"	1500#	Ball	Trunnion / Split Body, Bolted	ASTM A182 F51	BMFD102J	BLFD60J	A90RL RM	5601712





Working and test pressure	Materials Group 1-1 (Bar)		Materials Group 2-3 (Bar)	
	Bar	Psi	Bar	Psi
Maximum working pressure	20	285	16	230
Hydrostatic pressure test – body	30	425	24	345
Hydrostatic pressure test – seat	22	300	18	360
Air pressure test – seat	5,6	80	5,6	80

DIMENSIONS AND WEIGHT CLASS ISO PN 20 ANSI 150 lbs

ND		ΦA	Norm ¹⁶	Dimensions (mm)						Weight (Kg)
Inches	mm			C	B	E	K	F	L	
1/2"	15	12,5	B16-10	108	89	43,5	44	106	150	2,3
3/4"	20	17	B16-10	117,3	99	43,5	49	106	150	2,9
1 1/2"	25	24	B16-10	127	108	53	53	128,5	200	4,2
1"	40	37	B16-10	165,1	127	60,5	68	136	200	7
2"	50	49	B16-10	177,8	152	72	72	160	330	10,5
			BS2080	203	152	72	72	160	330	11,2
3"	80	75	B16-10	203,2	190	82	82	178,5	330	18
			BS2080	241	190	82	82	178,5	330	19,1
4"	100	100	B16-10	228,6	229	100	100	221	450	32,5
			BS2080	305	229	100	100	221	450	34
6"	150	150	B16-10	393,7 ¹⁷	279	150	150	274	500	80

Notes:

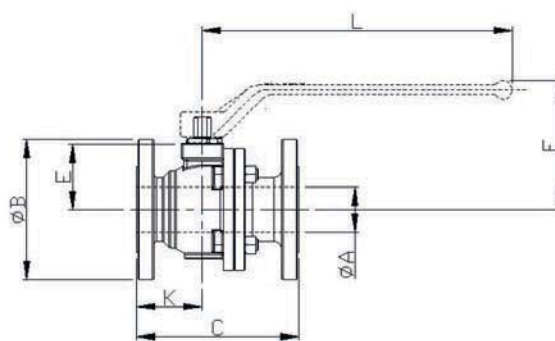
- Allowance on ΦA : 0/+0.3

All weights are related to cast valves only. Lever not included.

- 1-NFE 29305 Serie 1

Materials:

- Group 1-1 : Carbon steels (C, C- Si, C- Mn - Si, C-Mn, Si, V)
- Group 2-3 : Austenitic steels (18Cr-8Ni, 16Cr-12Ni-2Mo)



L BORE



Working and test pressure	Materials Group 1-1		Materials Group 2-3	
	Bar	Psi	Bar	Psi
Maximum working pressure	51	740	41	600
Hydrostatic pressure test – body	78	1100	63	900
Hydrostatic pressure test – seat	57	800	46	660
Air pressure test – seat	5,6	80	5,6	80

DIMENSIONS AND WEIGHT CLASS ISO PN 50 ANSI 300 lbs

FULL BORE									
DN		<1 A	Dimensions (mm)						Weight (Kg)
Inches	mm		C	B	E	K	F	L	
½	15	12,5	139,7	95	43,5	49	106	150	6
¾	20	17	152,4	117	43,5	66	106	150	6
1	25	24	165,1	124	53	73	128,5	200	7
1 ½	40	37	190,5	156	60,5	68	136	200	13
2	50	49	215,9	165	72	72	160	330	17
3	80	75	282,5	210	104,5	115	207	450	31
4	100	100	304,8	254	136	130	244	500	52
6	150	150	403,4	318	185	180	Not applicable		145

Notes:

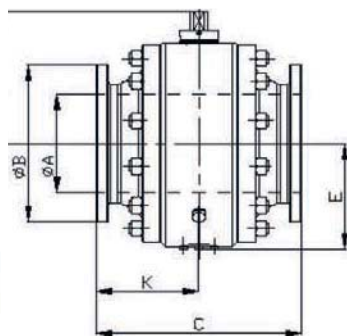
- Allowance on ØA : 0/+0.3

All weights are related to cast valves only. Lever not include.

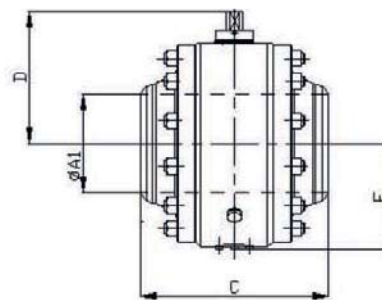
- 1-NFE 29305 Serie 1

Materials:

- Group 1-1 : Carbon steels (C, C- Si, C- Mn - Si, C-Mn, Si, V)
- Group 2-3 : Austenitic steels (18Cr-8Ni, 16Cr-12Ni-2Mo)



PE A and W – FULL BORE



Lever sizes p 52



Working and test pressure	Materials Group 1-1		Materials Group 2-3	
	Bar	Psi	Bar	Psi
Maximum working pressure	20	285	16	230
Hydrostatic pressure test – body	30	425	24	345
Hydrostatic pressure test – seat	22	300	18	360
Air pressure test – seat	5,6	80	5,6	80

DIMENSIONS AND WEIGHT CLASS ISO PN 20 ANSI 150 lbs TYPE A and W – FULL BORE

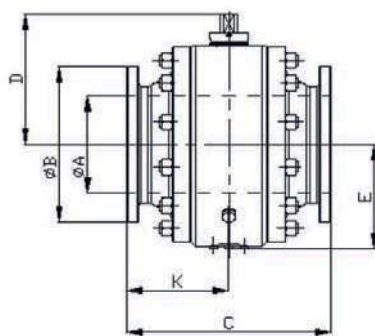
DN		ØA	Face to face (mm) C			Dimensions (mm)				Weight (Kg)	
			Flanged ₁		Welded						
Inches	mm	mm	RF	RTJ	WE ₃	K	ØB ₂	D	E	Flanges	BW
1/2	15	13	152 ₃	152 ₃	150	Symmetrical valves K=C/2	89	69,5	60,5	6	4
3/4	20	19	152 ₃	152 ₃	150		99	69,5	60,5	6	4
1	25	25	160 ₃	172,7 ₃	150		108	79,5	69,5	7	5
1 1/2	40	38	190 ₃	202,7 ₃	190		127	93,5	83	13	10
2	50	50	178	191	198		152	115	95,5	17	13
3	80	76	203	216	220		190	135	120,5	31	24
4	100	100	229	241	270		229	167,5	140,5	52	45
6	150	150	394	406	346		279	227,5	190,4	145	125
8	200	201,4	457	470	430		343	268,5	227	270	230
10	250	252,4	533	546	510		406	339	272,3	460	420
12	300	303,4	610	622	620		483	406,5	329	750	700
14	350	336	686	699	660		533	445	353,5	1060	970
16	400	388	762	775	760		597	481,5	389	1380	1250
18	450	438	864	876	830		635	568,5	491,8	2000	1850
20	500	489	914	927	910		698	604	525,5	2500	2200
24	600	590	1067	1080	1040		813	691,1	608,3	4500	4100
28	700	685	1245	1258	1250		927				
30	750	737	1295	1308	1300		985	841,6	716,8	7030	6410
32	800	780	1372	1385	1370		1060				
34	850	832	1473	1502	1485		1111				
36	900	876	1524	1537	1520		1168				

Notes:

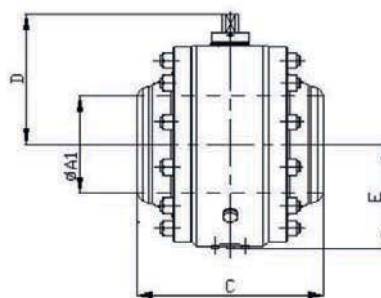
- Allowance on ØA : 0/+0.3
- Indicated weight is only for the bare stem valve
- (1) API 6D Table 4 or ASME B16.10.
- (2) NFE 29-203 & ASME B16.5 for DN ≤ 600 and MSS SP44 / ASME B16.47 Serie A for DN > 600
- (3) Face-to-face manufacturer

Materials:

- Group 1-1 : Carbon steels (C, C- Si, C- Mn - Si, C-Mn, Si, V)
- Group 2-3 : Austenitic steels (18Cr-8Ni, 16Cr-12Ni-2Mo)



TYPE A and W – FULL BORE



Lever sizes p 52



Working and test pressure	Materials Group 1-1		Materials Group 2-3	
	Bar	Psi	Bar	Psi
Maximum working pressure	51	740	41	600
Hydrostatic pressure test – body	78	1100	63	900
Hydrostatic pressure test – seat	57	800	46	660
Air pressure test – seat	5,6	80	5,6	80

DIMENSION S AND WEIGHT CLASS ISO PN 50 ANSI 300 lbs TYPE A and W – FULL BORE

DN		ØA	Face to face (mm) C			Dimensions (mm)				Weight (Kg)	
			Flanged1		Welded						
Inches	mm	mm	RF	RTJ	WE ₃	K	ØB ₂	D	E	Flanges	BW
1/2	15	13	152	163,2	150	Symmetrical valves K=C/2	95	69,5	60,5	6	4
3/4	20	19	152,4	165,1	150		117	69,5	60,5	7	4
1	25	25	165	177,8	150		124	79,5	69,5	8	5
1 1/2	40	38	190,5	203,2	190		156	93,5	83	15	10
2	50	50	216	231,7	198		165	115	95,5	23	13
3	80	76	282,5	298,2	220		210	135	120,5	43	24
4	100	100	304,8	320,6	270		254	167,5	140,5	70	45
6	150	150	403,4	419,2	346		318	227,5	190,4	165	125
8	200	201,4	501,7	517,5	430		381	268,5	227	280	230
10	250	252,4	568,5	584,2	510		444	339	272,3	500	420
12	300	303,4	647,7	663,5	620		521	406,5	329	810	700
14	350	336	762	777,7	660		584	445	353,5	1150	970
16	400	388	838,2	854	760		648	481,5	389	1500	1250
18	450	438	914,4	930,2	830		711	568,5	491,8	2300	1850
20	500	489	990,6	1009,7	910		775	604	525,5	2700	2200
24	600	590	1143	1165,4	1040		914	691,1	608,3	4800	4100
28	700	685	1346	1372	1250		1035				
30	750	737	1397	1422,4	1300		1092	841,6	716,8	7500	6410
32	800	780	1524	1553	1370		1149				
34	850	832	1625	1654	1630		1206				
36	900	876	1727	1756	1520		1270				

Notes:

- Allowance on ØA : 0/+0.3
- Indicated weight is only for the bare stem valve
- (1) API 6D Table 4 or ASME B16.10.
- (2) NFE 29-203 & ASME B16.5 for DN ≤ 600 and MSS SP44 / ASME B16.47 Serie A for DN > 600
- (3) Face-to-face manufacturer

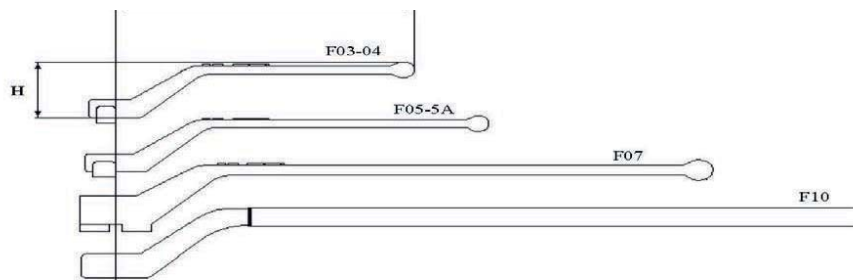
Materials:

- Group 1-1 : carbon steels (C, C- Si, C- Mn - Si, C-Mn, Si, V)
- Group 2-3 : austenitic steels (18Cr-8Ni, 16Cr-12Ni-2Mo)

LEVERS - DIMENSIONS

Levers are made of carbon steel. They are shotblasted, painted and fitted on the upper stem by a stainless steel screw. Length and valve application are indicated in the table below and are defined to limit the tangential effort at break torque to 400N. Conventional clockwise turn for closing is indicated on the lever.

Levers equipped with a locking device require special machining.

**Trunnion Ball Vaves**

ISO Types	Length L	Height H	Weight (kg)	Integrated stop	Allowable Torque Nm	Force at end N
F03	200	52,5	0,4	Yes	32	160
F04	250	52,5	0,5	Yes	63	252
F05A ¹	250	67,5	0,6	Yes	100	400
F05	400	61	1,2	Yes	125	312
F07	500	83,9	1,9	Yes	200	400
F10	800	76	2,5	No	320	400

Note1:

F05A = SRi specific format

Note2:

Torque given by max applicable force according to ISO 5211

ISO - Topworks - Full Bore Valves

ISO Nr	ASME Pressure Classes / ISO PN					
	ISO	300	400	600	900	1500
	20	50	68	100	150	250
F03	4/5"					
F04	1" - 1 1/2"				1"	3/4"
F05	2" - 3"		2"			1" 1/2"
F05 A					1" 1/2"	1"
F07	4"		3"		2"	
F10	6" - 8"		4"		3"	
F14	10"		6"		4"	
F16	12" - 14" - 16"		8" - 10" - 12"		8" - 10"	6" - 8"
F25	18" - 20"		14" - 16"		12"	10"
F26	24"		18"		14" - 16"	12"
F30	30"		20" - 24"			
F35				26" - 28"	18" - 20"	14" - 16"

Note:

F05A = Format specific to SR



ASTM A350 LF2, Carbon Steel/Karbonstål

Size	Class	Type	Design	Body/Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Gate	Wedge OS&Y	ASTM A350 LF2	GVAC101R	GTAC01R	R252/15RF	5502271
3/4"	150#	Gate	Wedge OS&Y	ASTM A350 LF2	GVAC101R	GTAC01R	R253/15RF	5502272
1"	150#	Gate	Wedge OS&Y	ASTM A350 LF2	GVAC101R	GTAC01R	R254/15RF	5502273
1 1/2"	150#	Gate	Wedge OS&Y	ASTM A350 LF2	GVAC101R	GTAC01R	R256/15RF	5502274
2"	150#	Gate	Wedge OS&Y	ASTM A350 LF2	GVAC101R	GTAC01R	R257/15RF	5502275
1/2"	300#	Gate	Wedge OS&Y	ASTM A350 LF2	GVBC101R	GTBC01R	R252/30RF	5502281
3/4"	300#	Gate	Wedge OS&Y	ASTM A350 LF2	GVBC101R	GTBC01R	R253/30RF	5502282
1"	300#	Gate	Wedge OS&Y	ASTM A350 LF2	GVBC101R	GTBC01R	R254/30RF	5502283
1 1/2"	300#	Gate	Wedge OS&Y	ASTM A350 LF2	GVBC101R	GTBC01R	R256/30RF	5502284
2"	300#	Gate	Wedge OS&Y	ASTM A350 LF2	GVBC101R	GTBC01R	R257/30RF	5502285
1/2"	800 FNPT	Gate	Wedge OS&Y	ASTM A105	GVRC201T	N/A	R252/TH	5502291
3/4"	800 FNPT	Gate	Wedge OS&Y	ASTM A105	GVRC201T	N/A	R253/TH	5502292
1"	800 FNPT	Gate	Wedge OS&Y	ASTM A105	GVRC201T	N/A	R254/TH	5502293
1 1/2"	800 FNPT	Gate	Wedge OS&Y	ASTM A105	GVRC201T	N/A	R256/TH	5502294
2"	800 FNPT	Gate	Wedge OS&Y	ASTM A105	GVRC201T	N/A	R257/TH	5502295

ASTM A182 F316, Stainless steel/ Rustfritt stål

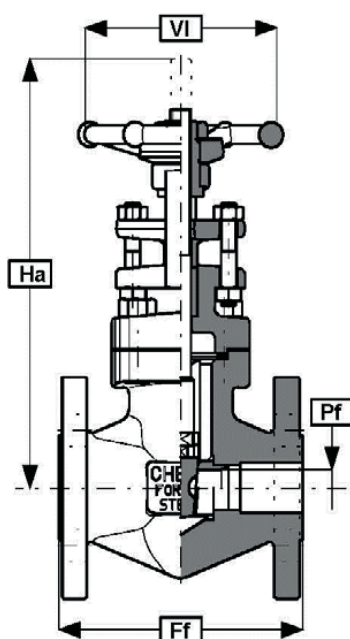
Size	Class	Type	Design	Body/Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Gate	Wedge OS&Y	ASTM A182 F316	GVAS301R	GTAS00R	R252/15RF	5502301
3/4"	150#	Gate	Wedge OS&Y	ASTM A182 F316	GVAS301R	GTAS00R	R253/15RF	5502302
1"	150#	Gate	Wedge OS&Y	ASTM A182 F316	GVAS301R	GTAS00R	R254/15RF	5502303
1 1/2"	150#	Gate	Wedge OS&Y	ASTM A182 F316	GVAS301R	GTAS00R	R256/15RF	5502304
2"	150#	Gate	Wedge OS&Y	ASTM A182 F316	GVAS301R	GTAS00R	R257/15RF	5502305
1/2"	300#	Gate	Wedge OS&Y	ASTM A182 F316	GVBS301R	GTBS00R	R252/30RF	5502311
3/4"	300#	Gate	Wedge OS&Y	ASTM A182 F316	GVBS301R	GTBS00R	R253/30RF	5502312
1"	300#	Gate	Wedge OS&Y	ASTM A182 F316	GVBS301R	GTBS00R	R254/30RF	5502313
1 1/2"	300#	Gate	Wedge OS&Y	ASTM A182 F316	GVBS301R	GTBS00R	R256/30RF	5502314
2"	300#	Gate	Wedge OS&Y	ASTM A182 F316	GVBS301R	GTBS00R	R257/30RF	5502315

ASTM A182 F51, Duplex steel

Size	Class	Type	Design	Body/Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Gate	Wedge OS&Y	ASTM A182 F51	GVAD101R	GTAD00R	R252/15RF	5502321
3/4"	150#	Gate	Wedge OS&Y	ASTM A182 F51	GVAD101R	GTAD00R	R253/15RF	5502322
1"	150#	Gate	Wedge OS&Y	ASTM A182 F51	GVAD101R	GTAD00R	R254/15RF	5502323
1 1/2"	150#	Gate	Wedge OS&Y	ASTM A182 F51	GVAD101R	GTAD00R	R256/15RF	5502324
2"	150#	Gate	Wedge OS&Y	ASTM A182 F51	GVAD101R	GTAD00R	R257/15RF	5502325
1/2"	300#	Gate	Wedge OS&Y	ASTM A182 F51	GVBD101R	GTBD00R	R252/30RF	5502331
3/4"	300#	Gate	Wedge OS&Y	ASTM A182 F51	GVBD101R	GTBD00R	R253/30RF	5502332
1"	300#	Gate	Wedge OS&Y	ASTM A182 F51	GVBD101R	GTBD00R	R254/30RF	5502333
1 1/2"	300#	Gate	Wedge OS&Y	ASTM A182 F51	GVBD101R	GTBD00R	R256/30RF	5502334
2"	300#	Gate	Wedge OS&Y	ASTM A182 F51	GVBD101R	GTBD00R	R257/30RF	5502335



GATE VALVES - 150 - Bolted bonnet - Flanged RF



Ratings (ASTM A105)

150 psi @ 550°F
285 psi @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)

Body - 450 psi
Seat - 325 psi

Air under water:

Seat - 85 psi

Standards

Construction API 602, BS 5352
Flanged ASME B16.5, ASME B16.10
Test API 598-BS 6755 (Pt.1)

Connections (xx)

RF Raised face (std.)
FF Flat finish

CONVENTIONAL BORE

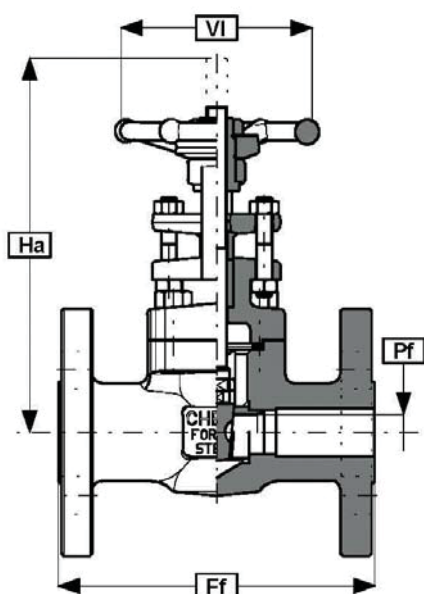
	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	107,9	4,25	117,5	4,63	127,0	5,00	165,1	6,50	177,8	7,00
Ha (mm/in)	179	7,05	186	7,32	208	8,19	255	10,04	273	10,75
VI (mm/in)	90	3,54	90	3,54	100	3,94	140	5,51	140	5,51
Pf (mm/in)	10	0,39	14	0,55	18	0,71	31	1,22	36,5	1,44
Wt. (kg/lb)	3,2	7,0	4,1	9,0	5,8	12,8	10	22,0	13,1	28,8
Catal. no.	R252/15xx		R253/15xx		R254/15xx		R256/15xx		R257/15xx	

FULL BORE

	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	107,9	4,25	117,5	4,63	127,0	5,00	165,1	6,50	177,8	7,00
Ha (mm/in)	183	7,20	191	7,52	216	8,50	273	10,75	314	12,36
VI (mm/in)	90	3,54	90	3,54	100	3,94	140	5,51	200	7,87
Pf (mm/in)	14	0,55	18	0,71	24	0,94	36,5	1,44	48	1,89
Wt. (kg/lb)	3,1	6,8	4	8,8	5,7	12,5	12,6	27,7	15,8	34,8
Catal. no.	F212/15xx		F213/15xx		F214/15xx		F216/15xx		F217/15xx	



GATE VALVES - 300 - Bolted bonnet - Flanged RF/RTJ



Ratings (ASTM A105)

300 psi @ 850°F
740 psi @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 1125 psi
Seat - 825 psi

Air under water:
Seat - 85 psi

Standards

Construction API 602, BS 5352
Flanged ASME B16.5, ASME B16.10
Test API 598-BS 6755 (Pt.1)

Connections (xx)

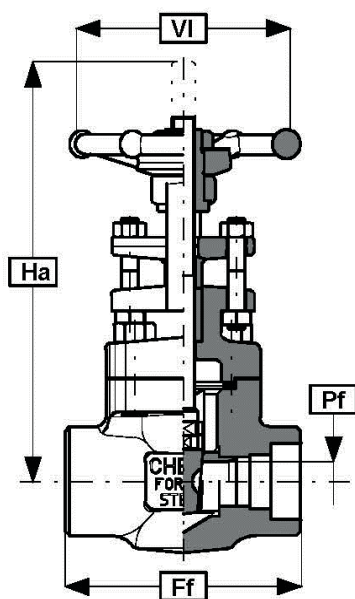
RF	Raised face (std.)	LF	Large female
RJ	Ring joint	LG	Large groove
SF	Small female	LM	Large male
SG	Small groove	LT	Large tongue
SM	Small male		
ST	Small tongue		

CONVENTIONAL BORE										
	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	139,7	5,50	152,4	6,00	165,1	6,50	190,5	7,50	215,9	8,50
Ha (mm/in)	145	5,71	156	6,14	186	7,32	255	10,04	273	10,75
VI (mm/in)	90	3,54	90	3,54	100	3,94	140	5,51	140	5,51
Pf (mm/in)	10	0,39	14	0,56	18	0,71	31	1,22	36,5	1,44
Wt. (kg/lb)	3,8	8,4	5,4	11,9	6,5	14,3	13,1	28,8	17,3	38,1
Catal. no.	R252/30xx		R253/30xx		R254/30xx		R256/30xx		R257/30xx	

FULL BORE										
	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	139,7	5,50	152,4	6,00	165,1	6,5	190,5	7,50	215,9	8,50
Ha (mm/in)	193	7,60	190	7,48	216	8,50	273	10,75	314	12,36
VI (mm/in)	90	3,54	100	3,94	120	4,72	140	5,51	200	7,87
Pf (mm/in)	14	0,55	18	0,71	24	0,94	36,5	1,44	48	1,89
Wt. (kg/lb)	4,5	9,9	6,0	13,2	7,6	16,7	14,0	32,6	18,8	41,4
Catal. no.	F212/30xx		F213/30xx		F214/30xx		F216/30xx		F217/30xx	



GATE VALVES - 800 - Bolted bonnet - SW/NPT/BW



Ratings (ASTM A105)

800 psi @ 850°F
1975 psi @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 3000 psi
Seat - 2175 psi

Air under water:
Seat - 85 psi

Standards

Construction API 602, BS 5352
Socket weld ASME B16.11
Threaded ASME B1.20.1
Butt weld ASME B16.25
Test API 598-BS 6755 (Pt.1)

Connections (xx)

SW	Socket weld	B8	Butt weld 80
TS	SW/NPT		
TH	Threaded NPT		
SE	SW (in)/NPT		
SU	SW (out)/NPT		
B4	Butt weld 40		

CONVENTIONAL BORE

	1/2"		3/4"		1"		1.1/4"		1.1/2"		2"	
Ff (mm/in)	80	3,15	90	3,54	110	4,33	127	5,00	127	5,00	130	5,12
Ha (mm/in)	145	5,70	156	6,14	186	7,32	216	8,50	255	10,04	273	10,75
VI (mm/in)	90	3,54	90	3,54	100	3,94	120	4,72	140	5,51	140	5,51
Pf (mm/in)	10	0,39	14	0,55	18	0,71	24	0,95	31	1,22	36,5	1,44
Wt. (kg/lb)	1,7	3,74	2,1	4,62	3,3	7,3	5,2	11,4	7,0	15,4	9,1	20,0
Catal. no.	R252/xx		R253/xx		R254/xx		R255/xx		R256/xx		R257/xx	

FULL BORE

	1/4"		3/8"		1/2"		3/4"		1"		1.1/4"		1.1/2"		2"	
Ff (mm/in)	80	3,15	80	3,15	90	3,54	110	4,33	127	5,00	127	5,00	130	5,12	150	5,91
Ha (mm/in)	143	5,63	145	5,71	156	6,14	186	7,32	216	8,50	255	10,04	273	10,75	334	13,15
VI (mm/in)	90	3,54	90	3,54	90	3,54	100	3,94	120	4,72	140	5,51	140	5,51	200	7,87
Pf (mm/in)	8,5	0,33	10	0,39	14	0,55	18	0,71	24	0,94	31	1,22	36,5	1,44	48	1,89
Wt. (kg/lb)	1,8	4,0	1,8	4,0	2,2	4,8	3,4	7,5	5,3	11,7	7,1	15,6	9,2	20,2	14,2	31,2
Catal. no.	F210/xx		F211/xx		F212/xx		F213/xx		F214/xx		F215/xx		F216/xx		F217/xx	


ASTM A350 LF2, Carbon Steel/Karbonstål

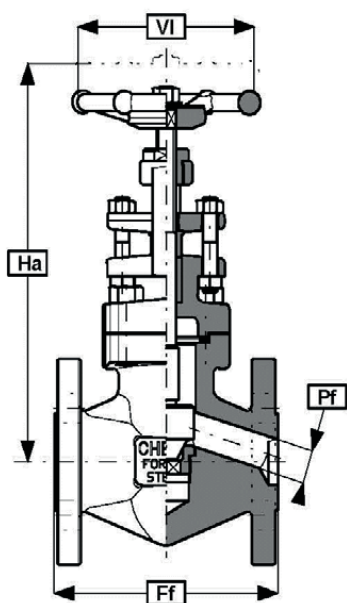
Size	Class	Type	Design	Body/Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSAC101R	GBAC01R	R352/15RF	5575401
3/4"	150#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSAC101R	GBAC01R	R353/15RF	5575402
1"	150#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSAC101R	GBAC01R	R354/15RF	5575403
1 1/2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSAC101R	GBAC01R	R356/15RF	5575404
2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSAC101R	GBAC01R	R357/15RF	5575405
1/2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSBC101R	GBBC01R	R352/30RF	5575406
3/4"	300#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSBC101R	GBBC01R	R353/30RF	5575407
1"	300#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSBC101R	GBBC01R	R354/30RF	5575408
1 1/2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSBC101R	GBBC01R	R356/30RF	5575409
2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A350 LF2	LSBC101R	GBBC01R	R357/30RF	5575411
1/2"	800 FNPT	Globe	Swivelling Disc, OS&Y	ASTM A105	LSRC201T	N/A	R352/TH	5575412
3/4"	800 FNPT	Globe	Swivelling Disc, OS&Y	ASTM A105	LSRC201T	N/A	R353/TH	5575413
1"	800 FNPT	Globe	Swivelling Disc, OS&Y	ASTM A105	LSRC201T	N/A	R354/TH	5575414
1 1/2"	800 FNPT	Globe	Swivelling Disc, OS&Y	ASTM A105	LSRC201T	N/A	R356/TH	5575415
2"	800 FNPT	Globe	Swivelling Disc, OS&Y	ASTM A105	LSRC201T	N/A	R357/TH	5575416

ASTM A182 F316, Stainless steel/ Rustfritt stål

Size	Class	Type	Design	Body/Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSAS301R	GBAS00R	R352/15RF	5575421
3/4"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSAS301R	GBAS00R	R353/15RF	5575422
1"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSAS301R	GBAS00R	R354/15RF	5575423
1 1/2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSAS301R	GBAS00R	R356/15RF	5575424
2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSAS301R	GBAS00R	R357/15RF	5575425
1/2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSBS301R	GBBS00R	R352/30RF	5575431
3/4"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSBS301R	GBBS00R	R353/30RF	5575432
1"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSBS301R	GBBS00R	R354/30RF	5575433
1 1/2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSBS301R	GBBS00R	R356/30RF	5575434
2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F316	LSBS301R	GBBS00R	R357/30RF	5575435

ASTM A182 F51, Duplex steel

Size	Class	Type	Design	Body/Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSAD101R	GBAD00R	R352/15RF	5575441
3/4"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSAD101R	GBAD00R	R353/15RF	5575442
1"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSAD101R	GBAD00R	R354/15RF	5575443
1 1/2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSAD101R	GBAD00R	R356/15RF	5575444
2"	150#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSAD101R	GBAD00R	R357/15RF	5575445
1/2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSBD101R	GBBD00R	R352/30RF	5575451
3/4"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSBD101R	GBBD00R	R353/30RF	5575452
1"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSBD101R	GBBD00R	R354/30RF	5575453
1 1/2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSBD101R	GBBD00R	R356/30RF	5575454
2"	300#	Globe	Swivelling Disc, OS&Y	ASTM A182 F51	LSBD101R	GBBD00R	R357/30RF	5575455


GLOBE VALVES - 150 - Bolted bonnet - Flanged RF

Ratings (ASTM A105)

150 psi @ 550°F
285 psi @ 100°F

Test pressure (ASTM A105)
Hydraulic: (minimum)

Body - 450 psi
Seat - 325 psi

Air under water:

Seat - 85 psi

Standards

Construction BS 5352
Flanged ASME B16.5, ASME B16.10
Test BS 6755 (Pt.1)

Connections (xx)

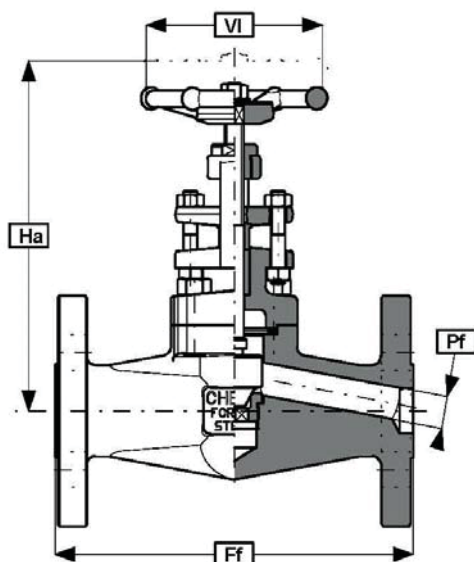
RF Raised face (std.)
FF Flat finish

REDUCED BORE

	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	107,9	4,25	117,5	4,63	127,0	5,00	165,1	6,50	203,2	8,00
Ha (mm/in)	186	7,32	189	7,44	203	7,99	283	11,14	314	12,36
VI (mm/in)	90	3,54	90	3,54	100	3,94	140	5,51	140	5,51
Pf (mm/in)	9	0,35	12,5	0,49	17,5	0,69	28	1,10	32	1,26
Wt. (kg/lb)	3,1	6,8	4	8,8	5,7	12,5	10,6	23,3	15,4	33,9
Catal. no.	R352/15xx		R353/15xx		R354/15xx		R356/15xx		R357/15xx	

FULL BORE

	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	107,9	4,25	117,5	4,63	127,0	5,00	165,1	6,50	203,2	8,00
Ha (mm/in)	188	7,40	192	7,56	207	8,15	283	11,14	314	12,36
VI (mm/in)	90	3,54	100	3,94	120	4,72	140	5,51	200	7,87
Pf (mm/in)	12,5	0,49	17,5	0,69	22,5	0,89	32	1,26	38	1,57
Wt. (kg/lb)	3	6,6	3,9	8,6	5,6	12,3	10,6	23,3	15,8	34,8
Catal. no.	F312/15xx		F313/15xx		F314/15xx		F316/15xx		F317/15xx	


GLOBE VALVES - 300 - Bolted bonnet - Flanged RF/RTJ

Ratings (ASTM A105)

300 psi @ 850°F
740 psi @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum) Body - 1125 psi Seat - 825 psi	Air under water: Seat - 85 psi
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Standards

Construction	BS 5352
Flanged	ASME B16.5, ASME B16.10
Test	BS 6755 (Pt.1)

Connections (xx)

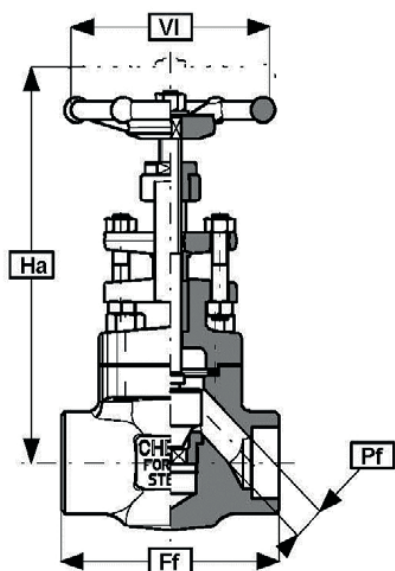
RF	Raised face (std.)	LF	Large female
RJ	Ring joint	LG	Large groove
SF	Small female	LM	Large male
SG	Small groove	LT	Large tongue
SM	Small male		
ST	Small tongue		

REDUCED BORE

	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	152,4	5,98	177,8	7,00	110	4,33	228,6	9,00	266,7	10,50
Ha (mm/in)	152	5,98	159	6,26	182	7,17	283	11,14	306	12,05
VI (mm/in)	90	3,54	90	3,54	100	3,94	140	5,51	140	5,51
Pf (mm/in)	9	0,35	12,5	0,49	17,5	0,69	28 ⁽⁴⁾	1,10	32 ⁽⁵⁾	1,26
Wt. (kg/lb)	3,4	7,5	4,8	10,6	7,0	15,4	14,2	31,2	17,4	38,3
Catal. no.	R352/30xx		R353/30xx		R354/30xx		R356/30xx		R357/30xx	

FULL BORE

	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	152,4	5,98	177,8	7,00	203,2	8,00	228,6	9,00	266,7	10,50
Ha (mm/in)	152	5,98	159	6,26	182	7,17	283	11,14	306	12,05
VI (mm/in)	90	3,54	100	3,94	120	4,72	140	5,51	140	7,87
Pf (mm/in)	13	0,51	17,5	0,69	22,5	0,89	34	1,34	32 ⁽⁵⁾	1,77
Wt. (kg/lb)	3,4	7,5	4,8	10,6	7,0	15,4	14,2	31,2	17,4	38,3
Catal. no.	F312/30xx		F313/30xx		F314/30xx		F316/30xx		F317/30xx	


GLOBE VALVES - 800 - Bolted bonnet - SW/NPT/BW

Ratings (ASTM A105)

800 psi @ 850°F
1975 psi @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 3000 psi
Seat - 2175 psi

Air under water:
Seat - 85 psi

Standards

Construction BS 5352
Socket weld ASME B16.11
Threaded ASME B1.20.1
Butt weld ASME B16.25
Test BS 6755 (Pt.1)

Connections (xx)

SW	Socket weld	B8	Butt weld 80
TS	SW/NPT		
TH	Threaded NPT		
SE	SW (in)/NPT		
SU	SW (out)/NPT		
B4	Butt weld 40		

REDUCED BORE

	1/2"		3/4"		1"		1.1/4"		1.1/2"		2"	
Ff (mm/in)	80	3,15	90	3,54	110	4,33	127	5,00	155	6,10	170	6,69
Ha (mm/in)	152	5,98	159	6,26	182	7,17	214	8,43	283	11,14	306	12,05
VI (mm/in)	90	3,54	90	3,54	100	3,94	120	4,72	140	5,51	140	5,51
Pf (mm/in)	9	0,35	12,5	0,49	17,5	0,69	22,5	0,89	28	1,10	32	1,26
Wt. (kg/lb)	1,7	3,7	2	4,4	3,2	7,0	5,3	11,7	7,8	17,2	10,6	23,3
Catal. no.	R352/xx		R353/xx		R354/xx		R355/xx		R356/xx		R357/xx	

FULL BORE

	1/4"		3/8"		1/2"		3/4"		1"		1.1/4"		1.1/2"		2"	
Ff (mm/in)	80	3,15	80	3,15	90	3,54	90	3,54	127	5,00	155	6,10	170	6,69	210	8,27
Ha (mm/in)	150	5,98	152	5,98	159	6,26	159	6,26	214	8,43	283	11,14	306	12,05	327	12,87
VI (mm/in)	90	3,54	90	3,54	90	3,54	90	3,54	120	4,72	140	5,51	140	5,51	200	7,87
Pf (mm/in)	6	0,24	9	0,35	12,5	0,49	12,5	0,49	22,5	0,89	28	1,10	32	1,26	40	1,57
Wt. (kg/lb)	1,8	4,0	1,8	4,0	2,1	4,6	3,3	7,3	5,4	11,9	7,9	17,4	10,7	23,5	16	35,2
Catal. no.	F310/xx		F311/xx		F312/xx		F313/xx		F314/xx		F315/xx		F316/xx		F317/xx	



ASTM A350 LF2, Carbon Steel/Karbonstål

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPAC101R	CHAC01R	RP452/15RF	5541131
3/4"	150#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPAC101R	CHAC01R	RP453/15RF	5541132
1"	150#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPAC101R	CHAC01R	RP454/15RF	5541133
1 1/2"	150#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPAC101R	CHAC01R	RP456/15RF	5541134
2"	150#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPAC101R	CHAC01R	RP457/15RF	5541135
1/2"	300#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPBC101R	CHBC01R	RP452/30RF	5541141
3/4"	300#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPBC101R	CHBC01R	RP453/30RF	5541142
1"	300#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPBC101R	CHBC01R	RP454/30RF	5541143
1 1/2"	300#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPBC101R	CHBC01R	RP456/30RF	5541144
2"	300#	Check	Bolted bonnet/Piston type	ASTM A350 LF2	CPBC101R	CHBC01R	RP457/30RF	5541145
1/2"	800 FNPT	Check	Bolted bonnet/Piston type	ASTM A105	CPRC201T	N/A	RP452/TH	5541151
3/4"	800 FNPT	Check	Bolted bonnet/Piston type	ASTM A105	CPRC201T	N/A	RP453/TH	5541152
1"	800 FNPT	Check	Bolted bonnet/Piston type	ASTM A105	CPRC201T	N/A	RP454/TH	5541153
1 1/2"	800 FNPT	Check	Bolted bonnet/Piston type	ASTM A105	CPRC201T	N/A	RP456/TH	5541154
2"	800 FNPT	Check	Bolted bonnet/Piston type	ASTM A105	CPRC201T	N/A	RP457/TH	5541155

ASTM A182 F316, Stainless steel/ Rustfritt stål

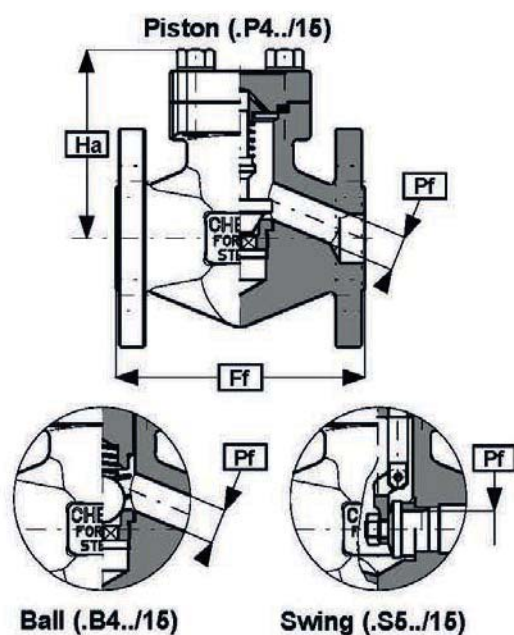
Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPAS301R	CHAS00R	RP452/15RF	5541161
3/4"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPAS301R	CHAS00R	RP453/15RF	5541162
1"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPAS301R	CHAS00R	RP454/15RF	5541163
1 1/2"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPAS301R	CHAS00R	RP456/15RF	5541164
2"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPAS301R	CHAS00R	RP457/15RF	5541165
1/2"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPBS301R	CHBS00R	RP452/30RF	5541171
3/4"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPBS301R	CHBS00R	RP453/30RF	5541172
1"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPBS301R	CHBS00R	RP454/30RF	5541173
1 1/2"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPBS301R	CHBS00R	RP456/30RF	5541174
2"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F316	CPBS301R	CHBS00R	RP457/30RF	5541175

ASTM A182 F51, Duplex steel

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
1/2"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPAD101R	CHAD00R	RP452/15RF	5541181
3/4"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPAD101R	CHAD00R	RP453/15RF	5541182
1"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPAD101R	CHAD00R	RP454/15RF	5541183
1 1/2"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPAD101R	CHAD00R	RP456/15RF	5541184
2"	150#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPAD101R	CHAD00R	RP457/15RF	5541185
1/2"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPBD101R	CHBD00R	RP452/30RF	5541191
3/4"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPBD101R	CHBD00R	RP453/30RF	5541192
1"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPBD101R	CHBD00R	RP454/30RF	5541193
1 1/2"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPBD101R	CHBD00R	RP456/30RF	5541194
2"	300#	Check	Bolted bonnet/Piston type	ASTM A182 F51	CPBD101R	CHBD00R	RP457/30RF	5541195



CHECK VALVES - 150 - Bolted cover - Flanged RF



Ratings (ASTM A105)

150 psi @ 550°F
285 psi @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum) Body - 450 psi Seat - 325 psi	Air under water: Not applicable
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Standards

Construction	BS 5352
Flanged	ASME B16.5, ASME B16.10
Test	BS 6755 (Pt.1)

Connections (xx)

RF	Raised face (std.)
FF	Flat finish

REDUCED BORE

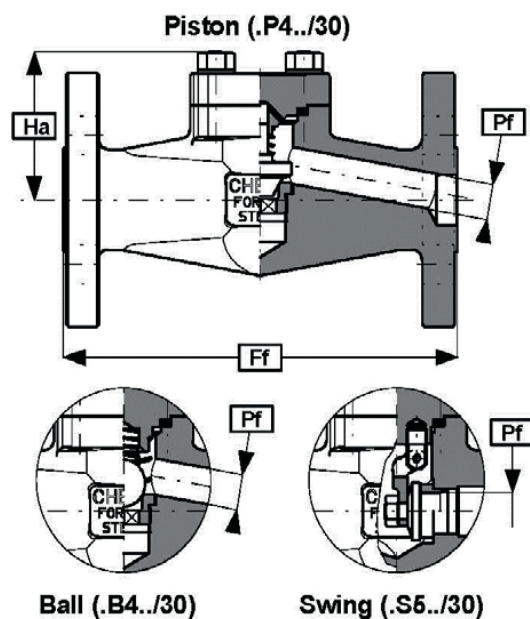
	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	107,9	4,25	117,5	4,63	117,0	5,00	165,1	6,50	203,2	8,00
Ha (mm/in)	84	3,31	87	3,43	92	3,62	97	3,82	124	4,88
Pf (mm/in)	9	0,35	12,5	0,49	17,5	0,69	28	1,10	32	1,26
Wt. (kg/lb)	2,6	5,7	3,8	8,4	5,1	11,2	8,4	18,5	14,2	31,2
Catal. no.	Rtt52/15xx		Rtt53/15xx		Rtt54/15xx		Rtt56/15xx		Rtt57/15xx	

FULL BORE

	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	107,9	4,25	117,5	4,63	127,0	5,00	165,1	6,50	203,2	6,50
Ha (mm/in)	84	3,31	87	3,43	92	3,62	110	4,33	124	4,88
Pf (mm/in)	12,5	0,49	17,5	0,69	22,5	0,89	32	1,38	38	1,50
Wt. (kg/lb)	2,6	5,7	3,8	8,4	5,1	11,2	8,4	18,5	14,7	31,2
Catal. no.	Ftt12/15xx		Ftt13/15xx		Ftt14/15xx		Ftt16/15xx		Ftt17/15xx	



CHECK VALVES - 300 - Bolted cover - Flanged RF/RTJ



Ratings (ASTM A105)

300 psi @ 850°F
740 psi @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum)
Body - 1125 psi
Seat - 825 psi

Air under water:
Not applicable

Standards

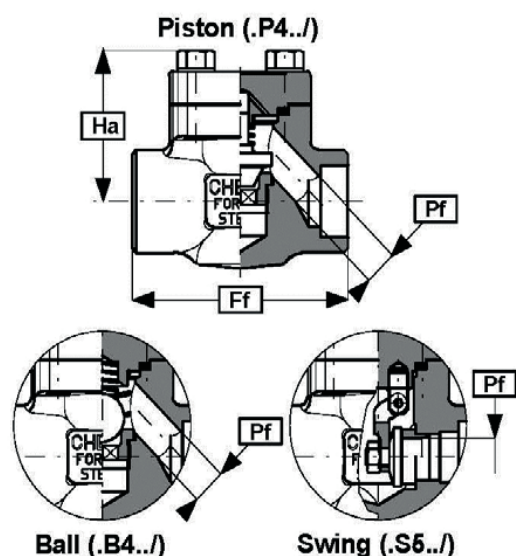
Construction BS 5352
Flanged ASME B16.5, ASME B16.10
Test BS 6755 (Pt.1)

Connections (xx)

RF	Raised face (std.)	LF	Large female
RJ	Ring joint	LG	Large groove
SF	Small female	LM	Large male
SG	Small groove	LT	Large tongue
SM	Small male		
ST	Small tongue		

REDUCED BORE										
	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	152,4	6,00	177,8	7,00	203,2	8,00	228,6	9,00	266,7	10,50
Ha (mm/in)	50	1,97	56	2,20	100	2,91	100	3,94	109	4,29
Pf (mm/in)	9	0,35	12,5	0,49	17,5	0,69	28	1,10	32	1,26
Wt. (kg/lb)	2,5	5,5	4,2	9,2	5,7	12,5	11,2	24,6	14,4	31,7
Catal. no.	Rtt52/30xx		Rtt53/30xx		Rtt54/30xx		Rtt56/30xx		Rtt57/30xx	

FULL BORE										
	1/2"		3/4"		1"		1.1/2"		2"	
Ff (mm/in)	152,4	6,00	177,8	7,00	203,2	8,00	228,6	9,00	266,7	10,50
Ha (mm/in)	50	1,97	56	2,20	92	3,62	100	4,33	145	5,51
Pf (mm/in)	12,5	0,49	17,5	0,69	22,5	0,89	28	1,38	45	1,77
Wt. (kg/lb)	2,5	5,5	4,2	9,2	5,7	12,5	11,2	24,6	14,4	31,7
Catal. no.	Ftt52/30xx		Ftt53/30xx		Ftt54/30xx		Ftt56/30xx		Ftt57/30xx	


CHECK VALVES - 800 - Bolted cover - SW/NPT/BW

Ratings (ASTM A105)

800 psi @ 850°F
1975 psi @ 100°F

Test pressure (ASTM A105)

Hydraulic: (minimum) Body - 3000 psi Seat - 2175 psi	Air under water: Not applicable
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Standards

Construction	BS 5352
Socket weld	ASME B16.11
Threaded	ASME B1.20.1
Butt weld	ASME B16.25
Test	BS 6755 (Pt.1)

Connections (xx)

SW Socket weld	B8	Butt weld 80
TS SW/NPT		
TH Threaded NPT		
SE SW (in)/NPT		
SU SW (out)/NPT		
B4 Butt weld 40		

REDUCED BORE

	1/2"		3/4"		1"		1.1/4"		1.1/2"		2"	
Ff (mm/in)	80	3,15	90	3,54	110	4,33	127	5,00	155	6,10	170	6,69
Ha (mm/in)	50	1,97	56	2,20	74	2,91	79	3,11	100	3,94	109	4,29
Pf₍₇₎ (mm/in)	9	0,35	12,5	0,49	17,5	0,69	22,5	0,89	28 ₍₄₎	1,10	32 ₍₅₎	1,26
Wt. (kg/lb)	1,1	2,4	1,8	4,0	2,6	5,7	3,6	7,9	5,5	12,1	8,4	18,5
Catal. no.	Rtt52/xx		Rtt53/xx		Rtt54/xx		Rtt55/xx		Rtt56/xx		Rtt57/xx	

FULL BORE

	1/4"		3/8"		1/2"		3/4"		1"		1.1/4"		1.1/2"		2"	
Ff (mm/in)	80	3,15	80	3,15	90	3,54	110	4,33	127	5,00	155	6,10	170	6,69	210	8,27
Ha (mm/in)	50	1,97	90	1,97	56	2,20	74	2,91	79	3,11	100	3,94	109	4,29	135	5,31
Pf₍₇₎ (mm/in)	6,5	0,26	9	0,35	12,5	0,49	17,5	0,69	22,5	0,89	28 ₍₄₎	1,10	32 ₍₅₎	1,26	38 ₍₆₎	1,50
Wt. (kg/lb)	1,1	2,4	1,1	2,4	1,8	4,0	2,6	5,7	3,6	7,9	5,5	12,1	8,4	18,5	11,8	26,0
Catal. no.	Ftt10/xx		Ftt11/xx				Ftt13/xx		Ftt14/xx		Ftt15/xx		Ftt16/xx		Ftt17/xx	

ASTM A350 LF2, Carbon Steel/Karbonstål, Wafer, RF

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
2"	150#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDAC101R	CHAC51R	BR	5541071
3"	150#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDAC101R	CHAC51R	BR	5541072
4"	150#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDAC101R	CHAC51R	BR	5541073
6"	150#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDAC101R	CHAC51R	BR	5541074
8"	150#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDAC101R	CHAC51R	BR	5541075
2"	300#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDBC101R	CHBC51R	BR	5541081
3"	300#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDBC101R	CHBC51R	BR	5541082
4"	300#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDBC101R	CHBC51R	BR	5541083
6"	300#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDBC101R	CHBC51R	BR	5541084
8"	300#	Check	Dual Plate, Retainerless	ASTM A350 LF2 ASTM A352 LCC	CDBC101R	CHBC51R	BR	5541085

ASTM A182 F316, Stainless steel/Rustfritt stål, Wafer, RF

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
2"	150#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDAS301R	CHAS50R	BR	5541091
3"	150#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDAS301R	CHAS50R	BR	5541092
4"	150#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDAS301R	CHAS50R	BR	5541093
6"	150#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDAS301R	CHAS50R	BR	5541094
8"	150#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDAS301R	CHAS50R	BR	5541095
2"	300#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDBS301R	CHBS50R	BR	5541101
3"	300#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDBS301R	CHBS50R	BR	5541102
4"	300#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDBS301R	CHBS50R	BR	5541103
6"	300#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDBS301R	CHBS50R	BR	5541104
8"	300#	Check	Dual Plate, Retainerless	ASTM A182 F316 ASTM A351 CF8M	CDBS301R	CHBS50R	BR	5541105

ASTM A995 4A / UNS J92205, Duplex steel, Wafer, RF

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	Model	NRF nr.
2"	150#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDAD101R	CHAD50R	BR	5541111
3"	150#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDAD101R	CHAD50R	BR	5541112
4"	150#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDAD101R	CHAD50R	BR	5541113
6"	150#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDAD101R	CHAD50R	BR	5541114
8"	150#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDAD101R	CHAD50R	BR	5541115
2"	300#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDBD101R	CHBD50R	BR	5541121
3"	300#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDBD101R	CHBD50R	BR	5541122
4"	300#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDBD101R	CHBD50R	BR	5541123
6"	300#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDBD101R	CHBD50R	BR	5541124
8"	300#	Check	Dual Plate, Retainerless	ASTM A995 4A UNS J92205	CDBD101R	CHBD50R	BR	5541125

CHECK VALVES, TYPE BR WAFER

Wafer design. Clamped between flanges with bolting around outside of valve.
Permits installation in a piping system in same manner as any conventional wafer valve.

Retainerless

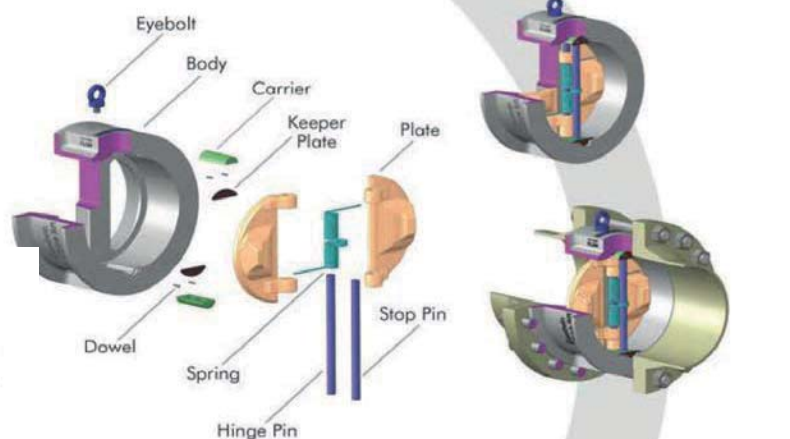
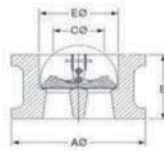
- Retainerless is standard in Goodwin Check Valves

API 594

- Designed in accordance with API 594
- Face-to-face dimensions to API 594

Patented Plate Design

- Pressure sensitive plate
- Improved flow efficiencies
- Total Life Cycle Costs reduced
- Superior metal-to-metal sealing
- High degree of shut-off


INSTALLATION DIMENSIONS ASME B16.5

Size Inches	Pressure Rating ASME	End Facing	A	B	C	E	HOLE P.C.D. mm	HOLE DIA. mm	STUD SELECTION			+ Valve Weight kg
			mm	mm	mm	mm			No.	DIA. Inches	*Length mm	
2 (50mm)	150	RF	105	60	0	57	120,7	19,1	4	5/8	165	3
	300	RF	111	60	0	57	127,0	19,1	8	5/8	170	4
	600	RF/RJ-23	111	60	0	57	127,0	19,1	8	5/8	195	4
	900	RF/RJ-24	143	70	0	57	165,1	25,4	8	7/8	240	7
	1500	RF/RJ-24	143	70	0	57	165,1	25,4	8	7/8	240	7
3 (80mm)	2500	RF/RJ-26	146	70	0	57	171,4	28,6	8	1	275	8
	150	RF	137	73	51	87	152,4	19,1	4	5/8	185	6
	300	RF	149	73	51	87	168,3	22,2	8	3/4	205	8
	600	RF/RJ-31	149	73	51	87	168,3	22,2	8	3/4	230	8
	900	RF/RJ-31	168	83	60	87	190,5	25,4	8	7/8	255	13
4 (100mm)	1500	RF/RJ-35	175	83	60	87	203,2	31,8	8	1 1/8	285	13
	2500	RF/RJ-32	197	86	60	87	228,6	34,9	8	1 1/4	335	16
	150	RF	175	73	89	113	190,5	19,1	8	5/8	185	9
	300	RF	181	73	89	113	200,0	22,2	8	3/4	210	9
	600	RF/RJ-37	194	79	89	113	215,9	25,4	8	7/8	255	13
6 (150mm)	900	RF/RJ-37	206	102	83	113	235,0	31,8	8	1 1/8	300	20
	1500	RF/RJ-39	210	102	83	113	241,3	34,9	8	1 1/4	325	21
	2500	RF/RJ-38	235	105	83	113	273,0	41,3	8	1 1/2	395	25
	150	RF	222	98	140	166	241,3	22,2	8	3/4	220	18
	300	RF	251	98	140	166	269,9	22,2	12	3/4	245	21
8 (200mm)	600	RF/RJ-45	267	137	89	166	292,1	28,6	12	1	340	38
	900	RF/RJ-45	289	159	89	166	317,5	31,8	12	1 1/8	380	64
	1500	RF/RJ-46	283	159	89	166	317,5	38,1	12	1 3/8	455	60
	2500	RF/RJ-47	318	159	89	166	368,3	54,0	8	2	540	70
	150	RF	279	127	171	207	298,5	22,2	8	3/4	255	25
	300	RF	308	127	171	207	330,2	25,4	12	7/8	290	40
	600	RF/RJ-49	321	165	168	207	349,2	31,8	12	1 1/8	385	71
	900	RF/RJ-49	359	206	130	207	393,7	38,1	12	1 3/8	455	100
	1500	RF/RJ-50	352	206	130	207	393,7	44,5	12	1 5/8	530	120
	2500	RF/RJ-51	387	206	143	207	438,2	54,0	12	2	630	137

ASTM A352 LCC

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	NRF nr.
4"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A352 LCC	FHAC101R	BUAC21R	5700014
6"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A352 LCC	FHAC101R	BUAC21R	5700015
8"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A352 LCC	FHAC101R	BUAC21R	5700016
10"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A352 LCC	FHAC101R	BUAC21R	5700017
12"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A352 LCC	FHAC101R	BUAC21R	5700018
16"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A352 LCC	FHAC101R	BUAC21R	5700019

ASTM A351 CF8M

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	NRF nr.
4"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 CF8M	FHAS301R	BUAS20R	5700021
6"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 CF8M	FHAS301R	BUAS20R	5700022
8"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 CF8M	FHAS301R	BUAS20R	5700023
10"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 CF8M	FHAS301R	BUAS20R	5700024
12"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 CF8M	FHAS301R	BUAS20R	5700025
16"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 CF8M	FHAS301R	BUAS20R	5700026

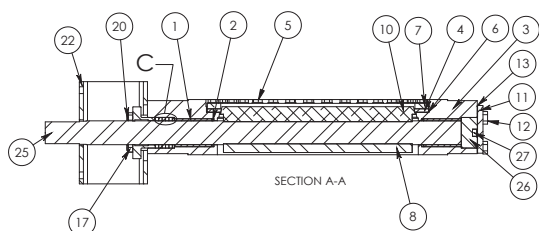
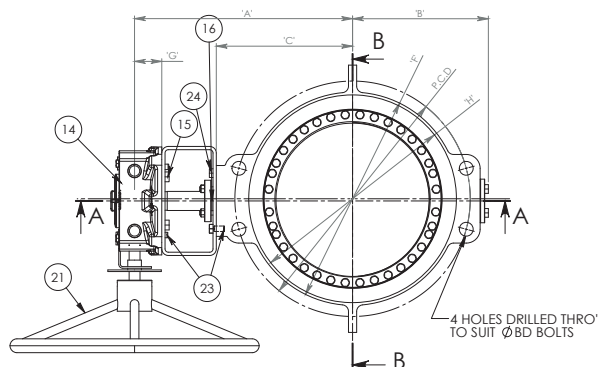
ASTM A995 6A (Super Duplex)

Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	NRF nr.
4"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A995 6A	FHAD201R	BUAD21R	5700001
6"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A995 6A	FHAD201R	BUAD21R	5700002
8"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A995 6A	FHAD201R	BUAD21R	5700003
10"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A995 6A	FHAD201R	BUAD21R	5700004
12"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A995 6A	FHAD201R	BUAD21R	5700005
16"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A995 6A	FHAD201R	BUAD21R	5700006

ASTM A351 CK-3MCuN (6Mo)

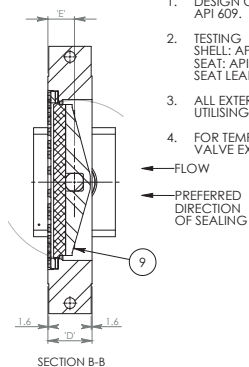
Size	Class	Type	Design	Body / Bonnet Mtl	TR2000	Norsok	NRF nr.
4"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 6Mo	FHAS703R	BUAR20R	5700007
6"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 6Mo	FHAS703R	BUAR20R	5700008
8"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 6Mo	FHAS703R	BUAR20R	5700009
10"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 6Mo	FHAS703R	BUAR20R	5700011
12"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 6Mo	FHAS703R	BUAR20R	5700012
16"	150#	Butterfly	High Performance Triple Offset Metal Seated - Non Lugged Wafer	ASTM A351 6Mo	FHAS703R	BUAR20R	5700013

NON-LUGGER WAFER TRIPLE OFFSET VALVES

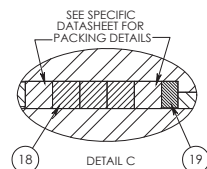


NOTES:

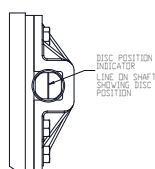
1. DESIGN CODE IN ACCORDANCE WITH API 609.
2. TESTING
SHELL: API STD. 598
SEAT: API STD. 598
SEAT LEAKAGE: ISO 5208 / API STD. 598
3. ALL EXTERNAL BOLTING TO BE SECURED UTILISING LOCKTITE SCREWLOK 222
4. FOR TEMPERATURES EXCEEDING 200°C VALVE EXTERNALS MUST BE INSULATED.



SECTION B-B



DETAIL C



ITEM NO.	DESCRIPTION
1	Bearing
2	Bearing protector
3	Body
4	Body seal
5	Body seal fasteners
6	Body seal gaskets
7	Clamp ring
8	Disc
9	Disc fasteners
10	Disc seat
11	End plate
12	End plate fasteners
13	End plate gasket
14	Gearbox
15	Gearbox fasteners
16	Gland
17	Gland nut
18	Gland packing
19	Gland packing ring
20	Gland stud
21	Handwheel
22	Mounting box
23	Mounting box dowels
24	Mounting box fasteners
25	Shaft
26	Thrust pad
27	Thrust pad fastener



Butterfly Valves - stock program

Butterfly Valves - dimension and weight

Valve size	DIMENSIONS (mm)										
	Class	A	B	C	D	E	F	G	H	ØBD	P.C.D.
3"	150	185.5	94	95.5	48	30	131.4	30	127	5/8"-11 UNC	152.4
	300	201.5	114.5	111.5	48	30	131	30	127	3/4"-10 UNC	168
4"	150	204.5	119.5	114.5	54	32.25	163	30	157.2	5/8"-11 UNC	190.5
	300	254.5	149.5	144.5	54	32.25	176	30	157.2	3/4"-10 UNC	200
6"	150	255	150.5	145	58	35.5	216	30	215.9	3/4"-10 UNC	241
	300	290	174	180	60	36	222	30	215.9	3/4"-10 UNC	270
8"	150	285	175	174	63.5	40	274	30	269.9	3/4"-10 UNC	298.5
	300	347.5	199	197.5	73	43.5	280	50	270	7/8"-9 UNC	330
10"	150	362.5	214.5	217.5	71	45.25	334	45	323.8	7/8"-9 UNC	362
	300	397.5	243.5	247.5	83	48.25	328	50	324	1"-8 UNC	387
12"	150	400	249	250	81	48.75	391	50	381	7/8"-9 UNC	431.8
	300	450	288.5	275	92	51.57	408	75	381	1.1/8"-8 UN	451
14"	150	438	284	288	92	55.75	423	50	412.8	1"-8 UNC	476.3
	300	498	314	323	117	61.75	480	75	412.8	1.1/8"-7 UN	514.4
16"	150	488	326.5	313	102	60.25	475	75	469.9	1"-8 UNC	539.8
	300	588	353	348	133	67	550.5	90	469.9	1.1/4"-7 UN	571.5
18"	150	545.5	360	370.5	114	70.75	543.5	75	533.4	1.1/8"-7 UN	577.9
	300	633.5	401.5	393.5	149	78.75	651.3	90	533.4	1.1/4"-7 UN	628.6
20"	150	639.5	404.5	399.5	127	76.75	600	90	584.2	1.1/8"-7 UN	635
	300	659.5	427	419.5	159	82.25	714.9	90	584.2	1.1/4"-7 UN	685.8
24"	150	708.5	476	468.5	154	92.75	705	90	692.2	1.1/4"-7 UN	749.3
	300	909	496.5	488.5	181	95.5	825	90	692.2	1.1/2"-6 UN	813



Axilock-FP and Axilock-FP Ultra



The Teekay Axilock-FP represents the ultimate in high security fire protected mechanical couplings. This allows the coupling to be installed as easily as any other Teekay Coupling but with the benefits of fire protection to the requirements of IACS P2 (ISO 19921 and 19922). The material cannot be damaged, lost or removed; it is hydrophobic, smoke and toxicity free.

Type I	
Casing:	AISI304/DIN 1.4301
Fasteners:	Alloy Steel, PTFE Coated
Gasket:	EPDM/NBR/HNBR/Viton

Type II	
Casing:	AISI304/DIN 1.4301
Fasteners:	AISI316/316L
Gasket:	EPDM/NBR/HNBR/Viton

Type IV	
Casing:	AISI316L/DIN 14404
Fasteners:	AISI316/316L
Gasket:	EPDM/NBR/HNBR/Viton

1.4462 Duplex casings and fasteners available on request

Sizes: Axilock-FP: 21.3mm to 219.1mm.
Axilock-FP Ultra: 222.3mm to 406.4mm.

Temperature: EPDM -40°C to +100 °C, NBR -20 °C to +80°C.
HNBR -20 to +150 °C, Viton -20 °C to +250 °C.

Pipe Materials: Carbon steel, stainless steel, copper, cunifer, GRE.

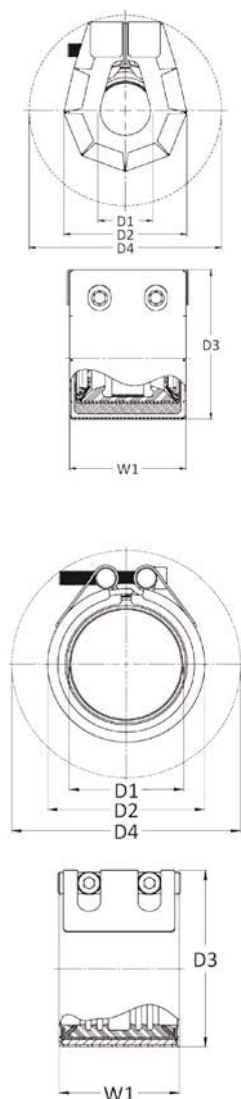


TWO PIPES, TWO SCREWS, TWO MINUTES

www.teekaycouplings.com



Axilock-FP Dimensions



D1 Pipe O.D	O.D. Tolerance	Working Pressure		Axial Pull	W1	D2	D3	D4	Screw Size	Hex Socket Adaptor	Weight
(mm)	(mm)	 (bar)	 (bar)	(N)	(mm)	(mm)	(mm)	(mm)		(mm)	KG
21,3	21.0 / 21.6	16	42	2281	54	46	65	77	2 x M6	5	0,20
26,9	26.6 / 27.3	16	42	3638	54	52	70	80	2 x M6	5	0,25
28,0	27.7 / 28.4	16	42	3942	54	53	72	81	2 x M6	5	0,26
30,0	29.7 / 30.4	16	42	4525	54	55	74	82	2 x M6	5	0,26
33,7	33.3 / 34.1	16	42	5710	54	58	77	84	2 x M6	5	0,27
35,0	34.7 / 35.4	16	42	6160	54	60	79	85	2 x M6	5	0,28
38,0	37.0 / 39.0	16	42	7260	87	67	82	151	2 x M8	6	0,8
42,4	41.4 / 43.4	16	42	9040	87	71	86	154	2 x M8	6	0,9
44,5	43.5 / 45.5	16	42	9957	87	73	89	155	2 x M8	6	0,9
48,3	47.3 / 49.3	16	42	11730	87	77	92	157	2 x M8	6	1,0
54,0	53.0 / 55.0	16	42	14662	87	83	98	161	2 x M8	6	1,0
57,0	56.0 / 58.0	16	42	16337	87	86	101	163	2 x M8	6	1,0
60,3	59.0 / 62.0	16	42	18283	87	89	105	165	2 x M8	6	1,2
63,0	62.0 / 65.0	16	42	19957	87	92	108	167	2 x M8	6	1,2
67,0	66.0 / 69.0	16	42	22572	87	96	111	170	2 x M8	6	1,2
70,0	69.0 / 72.0	16	42	24639	87	100	116	172	2 x M8	6	1,2
73,0	72.0 / 75.0	16	42	26796	87	101	117	173	2 x M8	6	1,3
76,1	75.0 / 78.0	16	42	29120	88	104	123	188	2 x M10	8	1,3
82,5	81.5 / 84.5	16	42	34224	88	111	129	193	2 x M10	8	1,3
84,0	83.0 / 86.0	16	42	35749	88	112	131	194	2 x M10	8	1,3
88,9	88.0 / 91.0	16	42	39739	88	117	136	198	2 x M10	8	1,4
98,0	97.0 / 100.0	16	42	48291	88	125	144	206	2 x M10	8	1,8
101,6	100.5 / 103.5	16	42	51905	114	128	147	216	2 x M10	8	2,3
104,0	103.0 / 106.0	16	42	54386	114	131	149	218	2 x M10	8	2,3
108,0	107.0 / 110.0	16	42	58650	114	134	153	221	2 x M10	8	2,4
110,0	109.0 / 112.0	16	42	60842	114	136	156	223	2 x M10	8	2,5
114,3	113.0 / 116.0	16	42	65692	114	141	159	226	2 x M10	8	2,5
118,0	117.0 / 120.0	16	42	70014	114	145	163	230	2 x M10	8	2,6
127,0	126.0 / 129.0	16	42	81101	114	155	175	236	2 x M10	8	2,7
129,0	128.0 / 131.0	16	42	83675	114	157	177	238	2 x M12	10	3,8
133,0	132.0 / 135.0	16	42	88945	115	161	186	241	2 x M12	10	3,9
139,7	139.0 / 142.0	16	42	98132	115	168	193	247	2 x M12	10	4,0
141,3	140.5 / 143.5	16	42	100393	115	170	194	248	2 x M12	10	4,0
144,0	143.0 / 146.0	16	42	104266	115	173	197	251	2 x M12	10	4,0
154,0	153.0 / 156.0	16	42	119251	115	183	207	261	2 x M12	10	4,2
159,0	158.0 / 161.0	16	42	127120	117	189	215	291	2 x M16	14	5,0
165,0	164.0 / 167.0	16	42	136895	117	195	221	296	2 x M16	14	5,1
168,3	167.0 / 170.0	16	42	142425	117	199	224	298	2 x M16	14	5,2
170,0	169.0 / 172.0	16	42	145317	117	201	226	300	2 x M16	14	5,2
193,7	193.0 / 196.0	12	31	141495	120	225	251	319	2 x M16	14	6,5
219,1	218.0 / 221.0	12	31	181036	120	251	277	341	2 x M16	14	6,8

The above tables are guides to the most common sizes. Couplings to suit specific outside diameters not listed may be manufactured to order. Please contact us for further details.



Working pressure for marine applications. Minimum burst is 4 times working pressure. Figures are based on typical values for standard wall carbon steel pipe.

Working pressure for industrial and land-based applications. Minimum burst is 1.5 times working pressure. Figures are based on typical values for standard wall carbon steel pipe.

Applicable Standards: DIN 86128 Form G
ASTM F1476 Type II, Class 2

TWO PIPES, TWO SCREWS, TWO MINUTES

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Offshore Platform – Fixed/Floating/Drillship

Sea Water

- Ballast
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- Fire Main
- RO Systems

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- Compressed Air
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- Cooling Water
- Deck Drains
- Fire Systems
- Potable Water
- Sanitary Drains
- Sanitary
- Vents and Overflows
- Dry Spaces



Solids Handling

- Bulk Cement
- Barite
- Low Pressure Mud
- Mud Drains

Miscellaneous

- Air Conditioning
- Air Piping
- Brine
- CO2
- Deck Scupper
- Domestic Fresh Water
- Domestic Sanitary Drains
- Fire and Deck Wash Lines
- Heating and Air Conditioning
- Service Air (non-essential)
- Starting/Control Air

Pipe Materials

- Carbon steel
- Cast iron
- Copper
- Copper nickel
- Fiberglass
- Galvanized
- Stainless steel



Specialty Products

- Stainless Steel VicPress Couplings and Fittings
- MasterSeal Butterfly Valve
- Delta Configuration

BELLOW OF RUBBER MATERIAL, TYPE T-53



Gummikompensator ANSI 150 NBR Type T-53

Dimensjoner
DN 50 - DN 250

Trykkklasse
PN16

Temperaturområde
NBR belg -15 °C til +80 °C

Anvendelsesområde
Ferskvann, sjøvann, gasser og olje.

Materialbeskrivelse
Flenser ANSI 150
Belg NBR

Bellow of rubber material ANSI 150 NBR Type T-53

Dimensions
DN 50 - DN 250

Pressure rating
PN16

Temperature range
NBR rubber -15 °C to +80 °C

Range of applications
Fresh water, sea water, gases and oil.

Materials
Flanges ANSI 150
Rubber NBR

MÅLTABELL OG ARTIKKELNUMMER / MEASUREMENTS AND PART NO.

DN	BL mm	NRF nr. Part No.
50	130	8541344
80	130	8541346
100	130	8541347
125	130	8541348
150	130	8514349
200	130	8514351
250	130	8514352

IBD INDUSTRY

- ▶ Carbon steel, Stainless steel tubes and fittings acc. to EN, DIN, NS, API, ASME og ANSI standard
- ▶ Copper nickel tubes and fittings CUNI 90/10
- ▶ Valves, actuators and control systems
- ▶ Gaskets, fixings and supports
- ▶ Tools, fasteners and workwear



IBD VVS

- ▶ Copper and stainless steel, tubes and fittings
- ▶ Tubes and fittings for sprinkler systems
- ▶ Stainless steel drainage systems
- ▶ Fire drums and extinguishers



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- ▶ **Actuators**
- ▶ **Pipes and pipe fittings**
- ▶ **Flanges**



MORE THAN 50 OUTLETS

Main Office and storage	Visiting address	Phone (+47)
Hovedkontor	Brynsengveien 5, 0667 Oslo	22 72 55 00
Langhus (Sentrallager)	Regnbuen Næringsområde, Snipetjernveien 8, 1405 Langhus	23 19 45 81
Department	Visiting address	Phone (+47)
Alta	Vepseveien 1, 9514 Alta	78 45 69 80
Arendal	Industri toppen 33, 4848 Arendal	37 05 86 40
Asker	Nye Vakåsvei 8, 1395 Hvalstad	66 77 62 40
Bergen – Godvik	Leirvikåsen 51, 5179 Godvik	55 50 65 00
Bergen – Kanalveien	Kanalveien 46, 5068 Bergen	55 50 65 00
Bergen – Nyborg	Langarinden 8, 5132 Nyborg	55 60 81 00
Bodø	Haakon VII's gt. 108, 8008 Bodø	75 50 61 10
Brekstad	Vestre Industriområde, 7130 Brekstad	72 52 27 21
Bærum	Olav Ingstads vei 3, 1351 Rud	67 17 19 10
Drammen	Nedre Eiker vei 61, 3048 Drammen	32 26 52 00
Fredrikstad	Tomteveien 31 A, 1618 Fredrikstad	69 36 30 00
Førde	Flovegen 3, 6800 Førde	57 82 99 40
Gjøvik	Kallerudlia 10, 2816 Gjøvik	61 13 17 70
Gol	Elveveien 6, 3550 Gol	32 07 36 10
Hamar	Vangsvegen 201, 2321 Hamar	62 54 34 00
Hammerfest	Havneveien 5, 9610 Rypefjord	78 42 17 30
Harstad	Margrethe Jørgensens vei 1E, 9406 Harstad	77 00 14 60
Haugesund	Norevegen 32, 5542 Karmsund	52 70 87 20
Hønefoss	Hvervenmoveien 11, 3511 Hønefoss	22 72 55 00
Jessheim	Industriveien 12, 2069 Jessheim	63 98 38 80
Kongsvinger	Lerkeveien 40, 2209 Kongsvinger	62 82 36 40
Kristiansand	Stemmane 12 A, 4636 Kristiansand	38 14 91 00
Kristiansund	Industriveien 4, 6517 Kristiansund	71 57 27 80
Larvik	Ringdalveien 20, 3270 Larvik	33 13 31 00
Lillehammer	Oskar Skoglys vei 2, 2619 Lillehammer	61 24 66 30
Lyngdal	Nye Monoddveien 5, 4580 Lyngdal	38 34 25 00
Mo i Rana	Mellomvika 53 A, 8622 Mo i Rana	75 12 63 00
Molde	Birger Hatlebakks veg 28, 6415 Molde	71 20 22 50
Mosjøen	Vollanvegen 22, 8663 Mosjøen	75 17 67 00
Moss	Årvollskogen 31, 1529 Moss	69 36 30 00
Namsos	Hestmarka, 7800 Namsos	74 22 67 67
Narvik	Skarvenesveien 12, 8514 Narvik	75 80 19 50
Nordfjordeid	Kaiveien 11, 6770 Nordfjordeid	57 86 28 25
Oslo – Bryn	Brynsengveien 5, 0667 Oslo	22 72 55 00
Oslo – Grorud	Haavard Martinsens vei 19, 0978 Oslo	22 72 55 00
Oslo – Langhus	Snipetjernveien 7, 1405 Langhus	21 02 24 50
Oslo – Mølla	Waldemar Thranes gt. 86, 0175 Oslo	23 23 47 20
Oslo – Skøyen	Drammensveien 130, 0277 Oslo	22 13 28 60
Sandnessjøen	Øyvind Lambes vei 23, 8800 Sandnessjøen	75 04 66 80
Sarpsborg	Bjørnstadmyra 3, 1712 Grålum	69 36 30 00
Ski	Haugenveien 5, 1400 Ski	64 87 80 51
Skien	Nybergflata 5, 3737 Skien	35 50 44 50
Sogndal	Kloppavegen 5, 6854 Kaupanger	57 67 90 80
Stavanger – Åsen	Haugåsstubben 6, 4016 Stavanger	51 20 14 30
Stavanger – Sandnes	Brannstasjonsveien 27, 4312 Sandnes	51 82 23 00
Steinkjer	Bømvegen 4, 7725 Steinkjer	74 13 40 88
Stjørdal	Ligaardvegen 4, 7500 Stjørdal	74 90 15 00
Stord	Svartadalen 31, 5412 Stord	53 00 16 50
Strømmen	Stasjonsveien 1, 2010 Strømmen	64 84 51 40
Tromsø	Stakkevollveien 319, 9019 Tromsø	77 66 49 00
Trondheim – Heimdal	Torgårdsvegen 7B, 7093 Tiller	72 59 32 00
Trondheim – Lade	Stiklestadveien 3, 7041 Trondheim	73 99 43 50
Tønsberg	Fjordgt. 5, 3125 Tønsberg	33 30 12 50
Verdal	Akerveien 1, 7650 Verdal	74 60 28 00
Ålesund – Breivika	Breivika Industriveg 33, 6018 Ålesund	70 17 52 50
Ålesund – Color Line Stadion	Sjømannsveien 14, 6008 Ålesund	70 10 42 80