



**BENTALL
ROWLANDS**

FARM & COMMERCIAL HOPPER GRAIN STORAGE SILOS



Flat Bottom Silos



Plastic/Woodchip Storage Silos



Splayed Leg Silos



Loadout Silos



Hopper Bottom Silos



Grain Walling



Apache Hoppers



Smooth Wall Silos



Grain Tunnels



Sweep Augers



Dischargers



Aeration Laterals



Catwalks



Square Hoppers



Aeration Fans

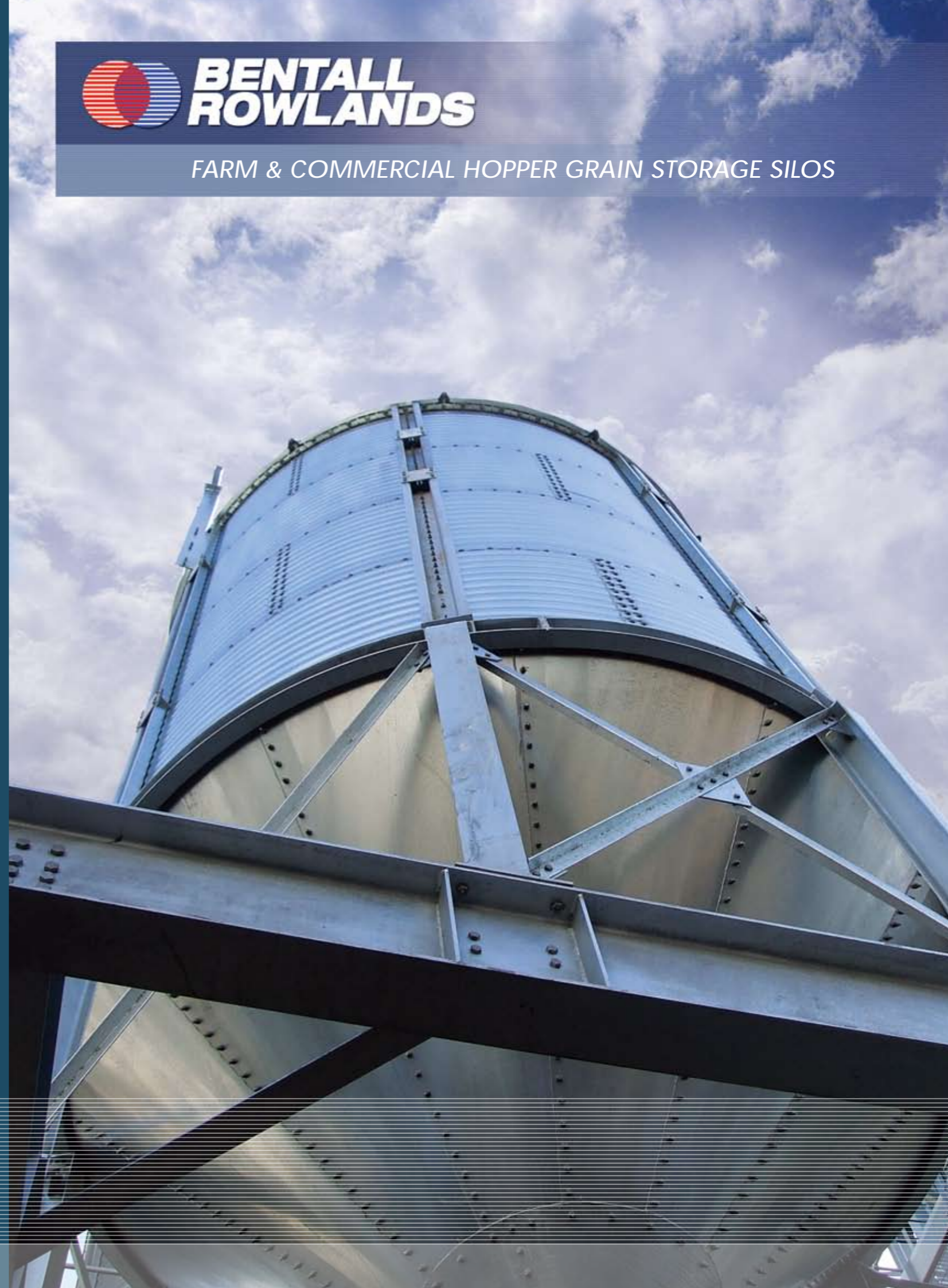
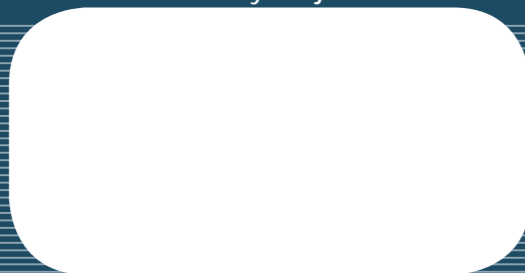


Flat Roof Silos



Turnkey Project

Tel: +44(0)1724 282 828
Fax: +44(0)1724 280 021
sales@bentallrowlands.co.uk
www.bentallrowlands.co.uk



Bentall Rowlands Storage Systems designs, manufactures, delivers and installs all your storage needs. Our in-house design and on-site manufacturing enables us to cope with your non standard requirements as well as the very comprehensive range of standard equipment that is produced in our facility in Scunthorpe, England.

The design of Bentall Rowlands hopper silos is based upon the loads and pressures derived from the German DIN 1055 1987 standard. Structural calculation based upon BS 5950 part 5 and wind loading of 50m/sec (180m/h) for a probability period of 25 years.

Wall Height	No. of Rings	45 Degree Hopper Bottom Silo Volume (cubic metres)							60 Degree Hopper Bottom Silo Volume (cubic metres)						
		Diameter							Diameter						
		4.00	5.00	6.00	7.00	8.00	9.00	10.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
1.19	1	29	50	79	117	167	228	305	35	62	100	150	216	297	401
2.37	2	44	73	112	163	226	303	398	50	85	133	196	275	373	494
3.56	3	59	97	146	209	286	378	491	65	109	167	241	335	448	587
4.74	4	74	120	179	255	345	454	584	80	132	200	287	395	524	679
5.93	5	89	143	213	300	406	530	677	95	155	234	333	455	600	773
7.11	6	103	166	247	346	465	606	770	110	178	268	379	514	676	866
8.30	7	118	190	280	392	525	681	863	124	202	301	425	574	751	959
9.48	8	133	213	314	438	584	757	956	139	225	335	470	634	826	1,052
10.67	9	148	236	347	483	644	832	1,049	154	248	368	516	693	902	1,145
11.85	10		260	381	529	704	907	1,142		272	402	562	753	977	1,238
13.04	11		283	414	574	763	983	1,235		295	435	607	812	1,053	1,331
14.22	12			448	620	823	1,058	1,329			469	653	872	1,128	1,424
15.41	13			481	666	882	1,133	1,422			502	698	931	1,203	1,517
16.59	14			515	711	942	1,209	1,515			536	744	991	1,279	1,610
17.78	15				757	1,001	1,284	1,610				790	1,050	1,354	1,706
18.96	16					1,061	1,360	1,703					1,110	1,429	1,799
20.15	17					1,121	1,435	1,796					1,170	1,505	1,892
21.33	18						1,510	1,889						1,580	1,985
22.52	19						1,586	1,982						1,656	2,078
23.70	20							2,075							2,171
24.89	21							2,168							2,264
Roof Height		1.2	1.46	1.75	2.06	2.35	2.51	2.8	1.2	1.46	1.75	2.06	2.35	2.51	2.8



Sidewall Sheets

Wall sheets are corrugated, utilising shallow pitch corrugation to ease material flow and manufactured from pre-galvanised G600 steel sheet with minimum total coating of 600 grams per square metre.



Hopper Aeration System

If aeration is required we can supply perforated aeration ducts which bolt to the inside of hopper cone.



the silo but also ensures that foreign objects such as rain, snow, birds, etc. cannot enter.

Roof Cap

Whether your fill rate is large or small we can accommodate it with our range of roof cap sizes. These can vary from 600 mm to over 1000 mm depending on your requirements.

