



Approximate Grease Capacities of Wellman Couplings



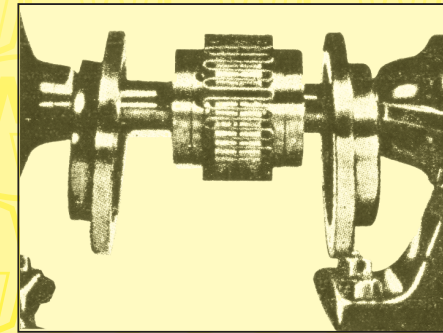
WELLMAN

Resilient Couplings

The grease capacity for any given size of Wellman Coupling varies according to the design and type. The following capacities are, therefore, very approximate.

Coupling No	Approximate grease capacity		Coupling No	Approximate grease capacity	
102	1 oz.	30 grms	366	4 lbs.	2 kilos
110	1 oz.	30 grms	422	8.25 lbs.	3.75 kilos
120	1 oz.	30 grms	431	5.75 lbs.	2.75 kilos
124	2 oz.	60 grms	432	5.75 lbs.	2.75 kilos
126	2.50 oz.	75 grms	477	7.50 lbs.	3.50 kilos
130	4 oz.	120 grms	478	7.50 lbs.	3.50 kilos
136	4 oz.	120 grms	482	9 lbs.	4.25 kilos
152	5 oz.	150 grms	556	10.75 lbs.	5 kilos
158	7 oz.	200 grms	600	12.75 lbs.	5.75 kilos
168	8 oz.	0.25 kilo	634	17 lbs.	7.75 kilos
212	1 lb.	0.50 kilo	666	22 lbs.	10 kilos
218	1 lb.	0.50 kilo	706	36 lbs.	17 kilos
236	1.50 lbs	0.75 kilo	722	50 lbs.	23 kilos
266	1.75 lbs.	0.75 kilo	734	65 lbs.	30 kilos
290	2.50 lbs.	1.25 kilos	762	80 lbs.	37 kilos
318	2.75 lbs.	1.25 kilos	788	95 lbs.	43 kilos

Assembly and Maintenance Instructions



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Assembly and Maintenance Instructions

Assembly

Care is necessary in the assembly of couplings, particularly in checking for both parallel and angular alignment and in setting the correct gap as shown in the tables. The coupling grooves must be completely packed with grease before the spring is inserted and a further liberal application of grease after its insertion is essential. After the assembly of the outer cover the maximum possible quantity of grease should be injected through the grease valves.

After the first hour's running at full speed and extra 'topping up' of grease should be given to couplings that cannot be serviced more often than every 12 to 15 months.

Lubrication

Wellman Couplings should be lubricated with good quality stiff water-free grease. The following are approved :
 Duckham - Admax S.3 (Previously H.S.G.) or Admax L.2 (Previously L.B. 10)

Esso - H.M.P. or Beacon 2 or 3

Mobil oil - Mobilux No 2 or Mobilgrease Larital No. 2

Power - B.P. Energese - R.B.B. 3 or L.S. 3

Regent/Texaco/Caltex - Marfak 3 or Marfak Multi-purpose 2

Sheel - Nerita 3 or Alvania 3

Castrol - Spheerol - A.P. 2 or A.P. 3

Turbine and other high speed couplings are designed for oil lubrication as individually specified.

Maintenance

1. Periodically replenish grease through the greasing nipples.
2. Open up covers occasionally to check shaft alignment and to ensure that springs are lubricated against wear.
3. Clean out and renew grease in accordance with the above instructions as necessary, but at least every 12 to 15 months.

Spares

When ordering spares always quote the serial number on the coupling nameplate.

Grease Connectors for Wellman Couplings

All Wellman Couplings, except those designed for oil-lubrication, are fitted with greasing nipples and must be lubricated periodically as described in this leaflet. Lubrication may be with a hand grease gun or from a lubrication trolley. The connector on the lubricating equipment must be suitable for the greasing nipples on the couplings, as given in the table below.



Fig. 1

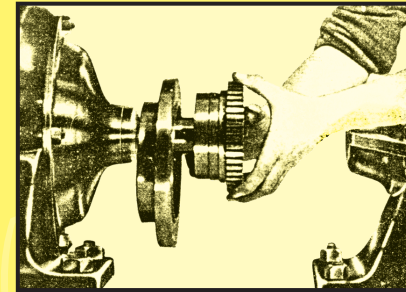


Fig. 2

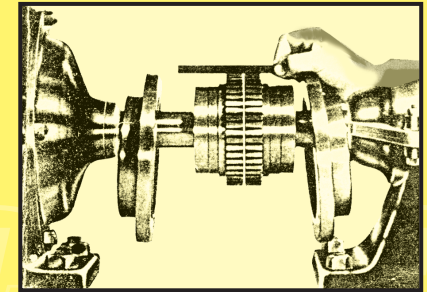
Illustrations are approx. actual size

(B.S. 1486 Part 1 1959 Type II B)

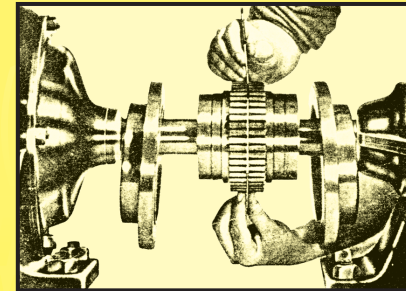
Standard Coupling Types	A	B		C		F	H	W
Coupling Numbers	102 to 318	431 and 432	477 and 478	114 to 290	318 to 478	120 to 478	168 to 788	124 to 478
Connector to fit greasing nipple (opposite)	Fig.1	Fig.1	Fig.2	Fig.1	Fig.2	Fig.2	Fig.2	Fig.2



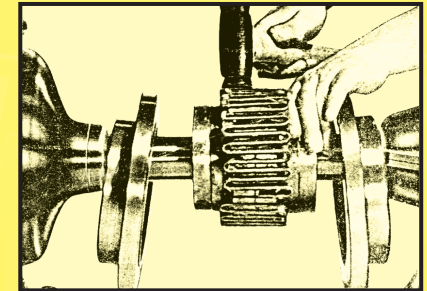
1. Wellman Couplings are supplied with various types of spring cover according to requirements. Casings such as that illustrated. Which is not split axially, must be placed over shafts before fitting hubs to shafts. The face of each hub must normally be flush with the end of its shaft.



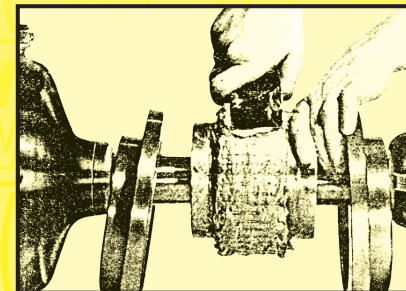
2. Check parallel alignment by using straight edge over the top of the hubs at quarter points 90° apart. Make final check after foundation bolts are tightened down.



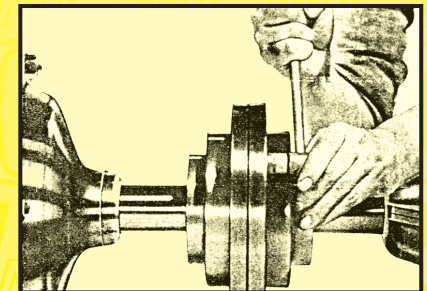
3. Check gap between hub faces to ensure that it is as specified (normally one-third to two-thirds the thickness of the spring material). Check angular alignment, using feelers in the gap at quarter points, 90° apart.



4. After thoroughly packing the grooves with as much grease as possible, press all springs into position. Where there are two layers of springs, fit both to fill the grooves completely.



5. Apply a further liberal application of grease.



6. Draw covers into position and fasten with bolts provided. Complete the lubrication by injecting maximum possible amount of grease through greasing nipples.