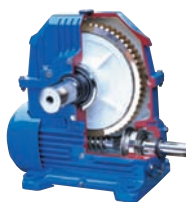
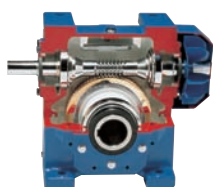
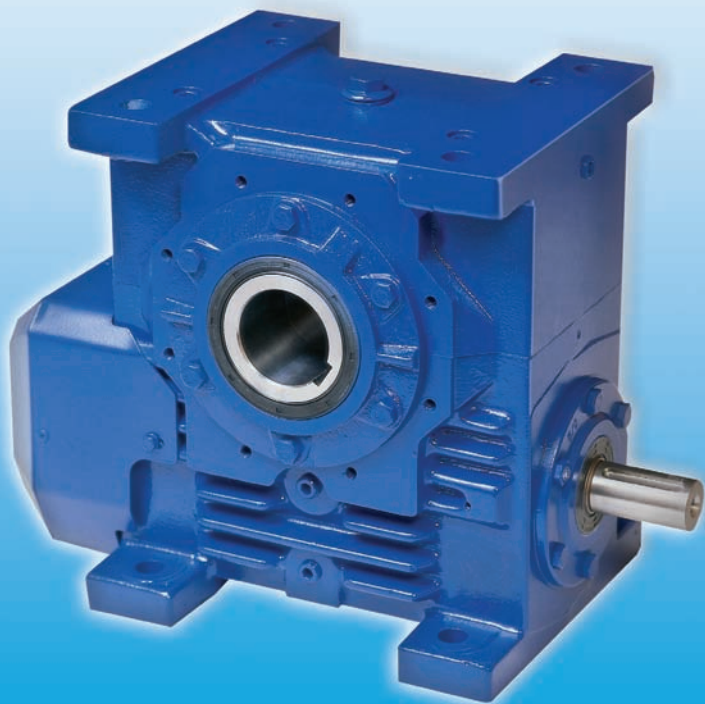
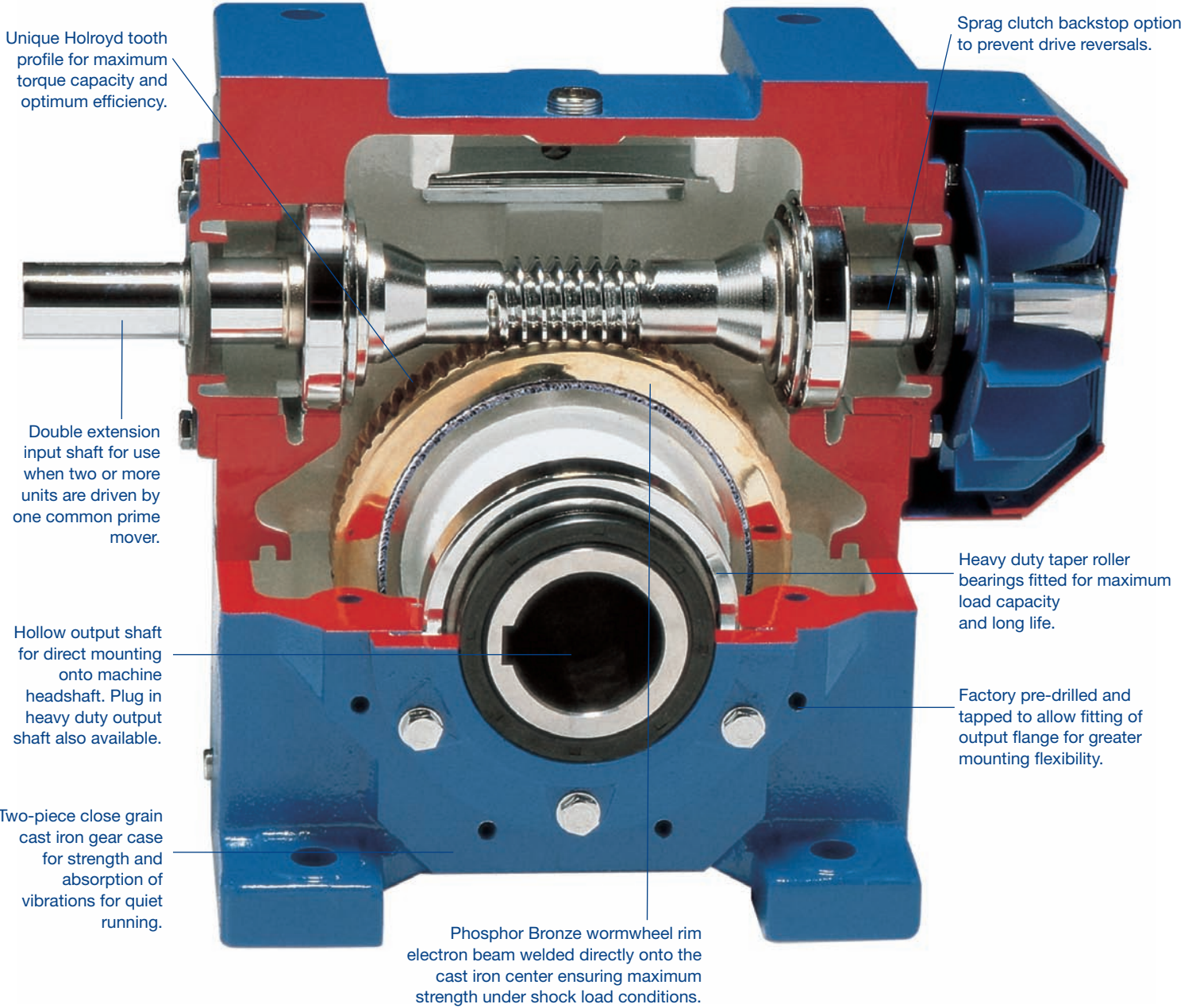


Interchangeable Gear Units. TW and WM Series



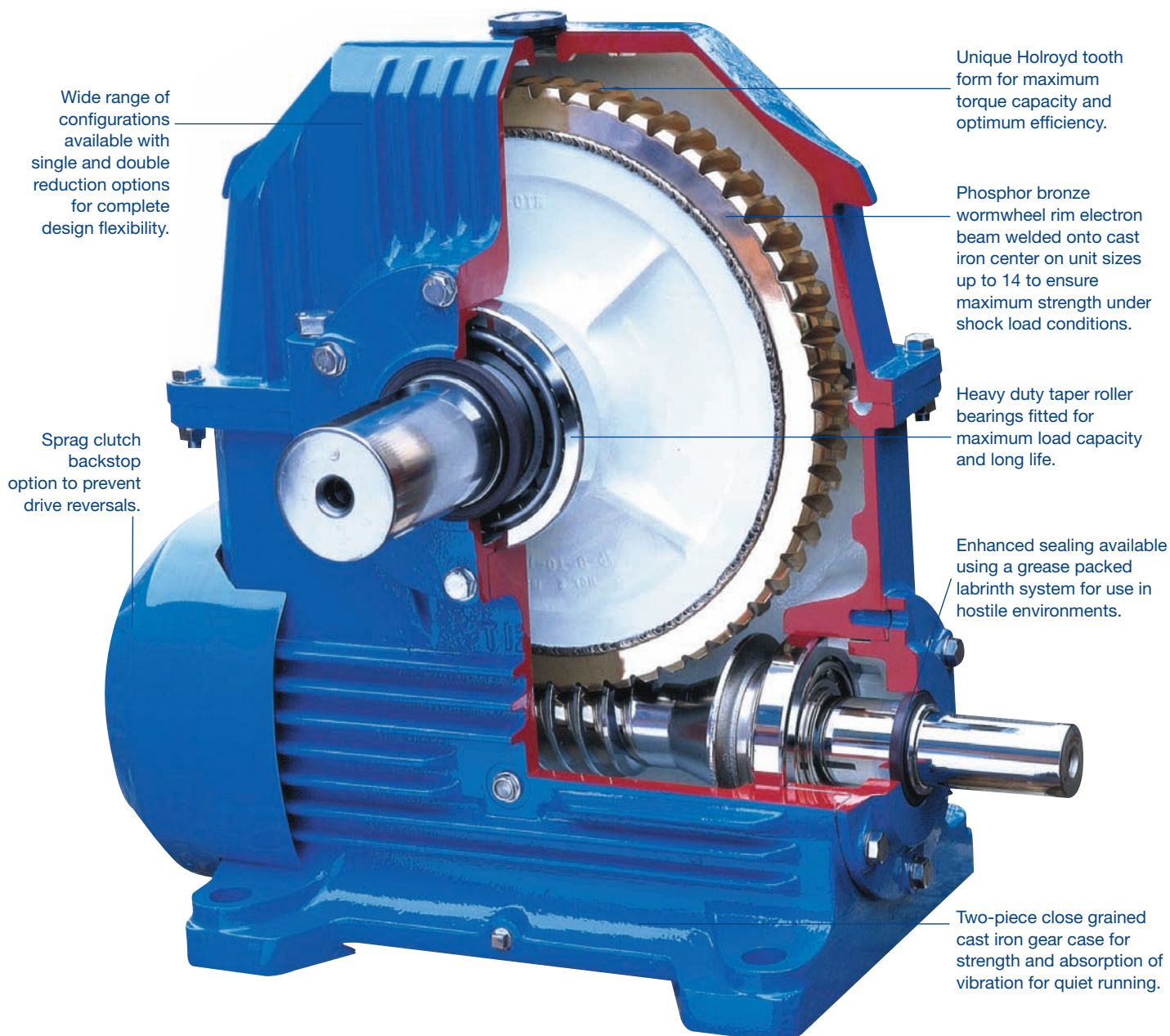
- TW Series
- WM Series

WM Series Product Features

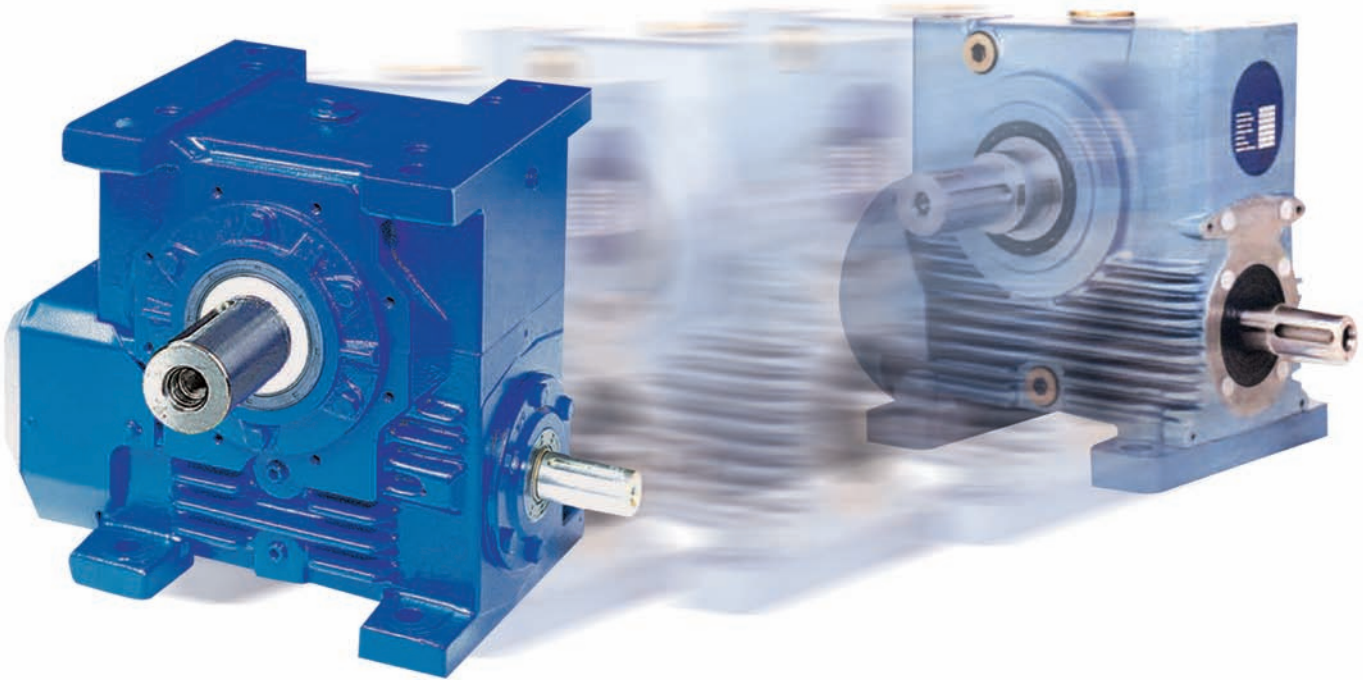


Section of electron beam welded wormwheel rim and center showing the fusion of the bronze wormwheel rim onto the cast iron center. This high-security fit allows transmission of power under shock load conditions.

TW Series Product Features



WM Series Speed Reducer



→ The Renold Gears range of WM Series gearboxes is directly interchangeable with the Radicon series.

The critical mounting and shaft extension dimensions in the WM boxes are identical to those in the Radicon units so that any old Radicon box can be replaced with a new Renold WM unit as a simple replacement.

The entire WM range is available in nominal metric and traditional inch sizes. A complete range of ratios is available from 5:1 to 70:1.

The WM series is part of a diverse range of gear units manufactured by Renold, designed to meet customers' unique requirements.

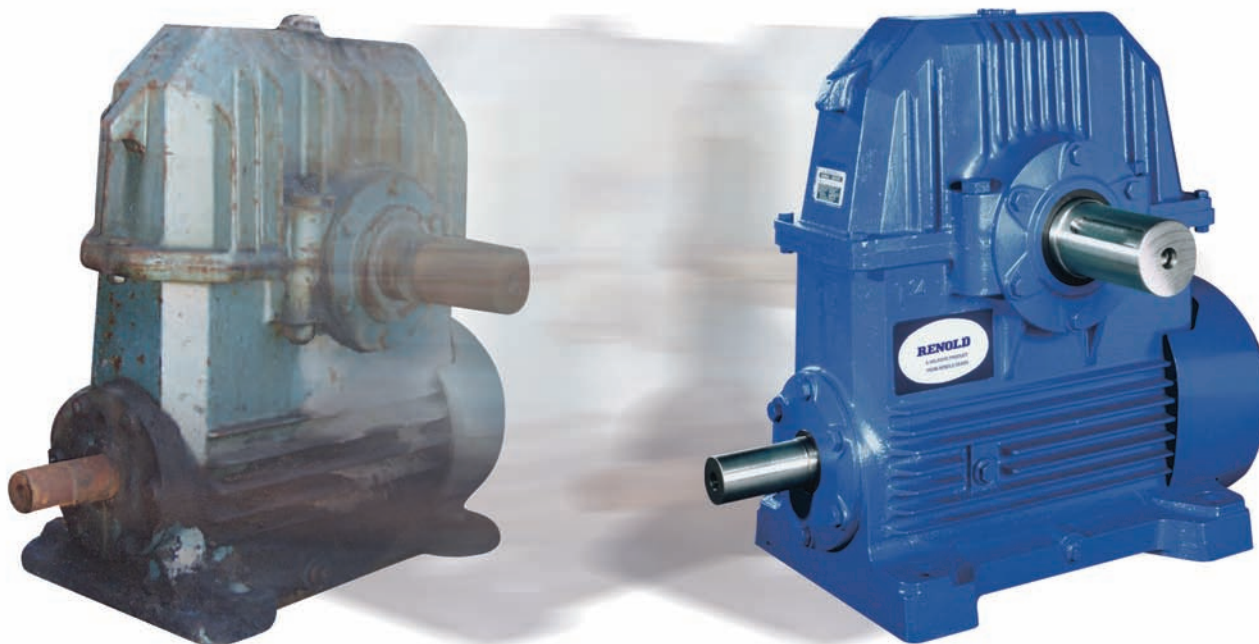
- Available in four metric sizes: 100, 125, 160 and 200mm centers and five imperial sizes: 4", 5", 6", 7" and 8" centers.
- 10 Ratios available as preferred stock ratios: 5, 10, 15, 20, 25, 30, 40, 50, 60, 70.
- Directly interchangeable on all shaft and mounting dimensions with the Radicon 'A' Series mid-range units.*

*Directly interchangeable in the underdrive position. For overdriven assembly, contact Renold.

Renold	Radicon
WM 4	AU 400
WM 5	AU 500
WM 6	AU 600
WM 7	AU 700
WM 8	AU 800

Renold	Radicon
WM 100	AU 1002
WM 125	AU 1252
WM 160	AU 1602
WM 200	AU 2002

TW Series Speed Reducer



→ The heavy duty TW series unit offers a power increase of up to 35% and yet is still dimensionally interchangeable with the previous generation units from Holroyd, Croft and other leading gear manufacturers.

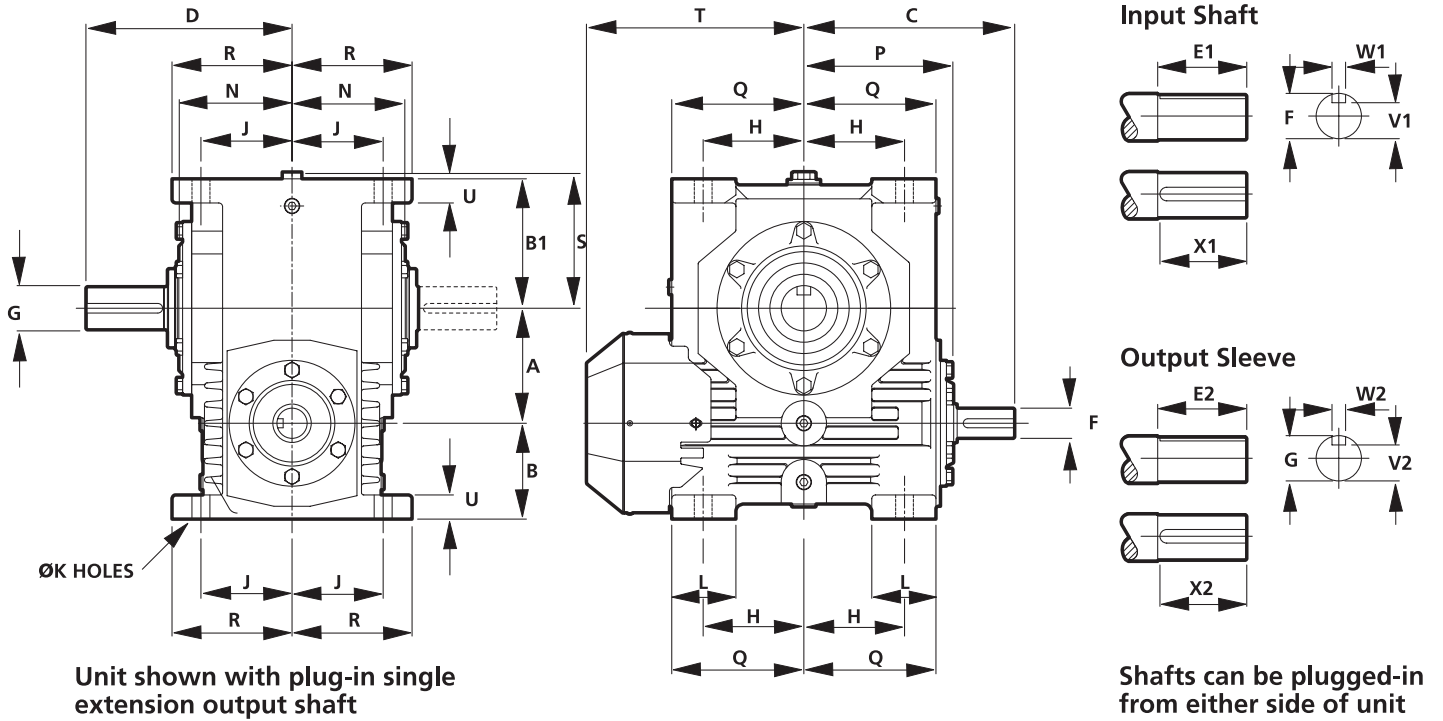
However the unique Holroyd tooth form offers maximum torque capacity and high unit efficiency, perfectly suited to today's increased demands on machinery performance.

The TW series is part of a diverse range of gear units manufactured by Renold, designed to meet customers' unique requirements.

- Interchangeable with other manufacturers.
- Available in 10 standard types with 10" to 28" centers.
- Ratios from 5:1 to 70:1 as single reduction units and 75:1 to 4900:1 as double reduction units.
- Available without plastic or aluminum components for use in flameproof areas.

Renold	Radicon
TW 10	AU 10
TW 12	AU 12
TW 14	AU 14
TW 17	AU 17
TW 20	AU 20
TW 24	AU 24
TW 28	AU 28

WM Series Speed Reducer



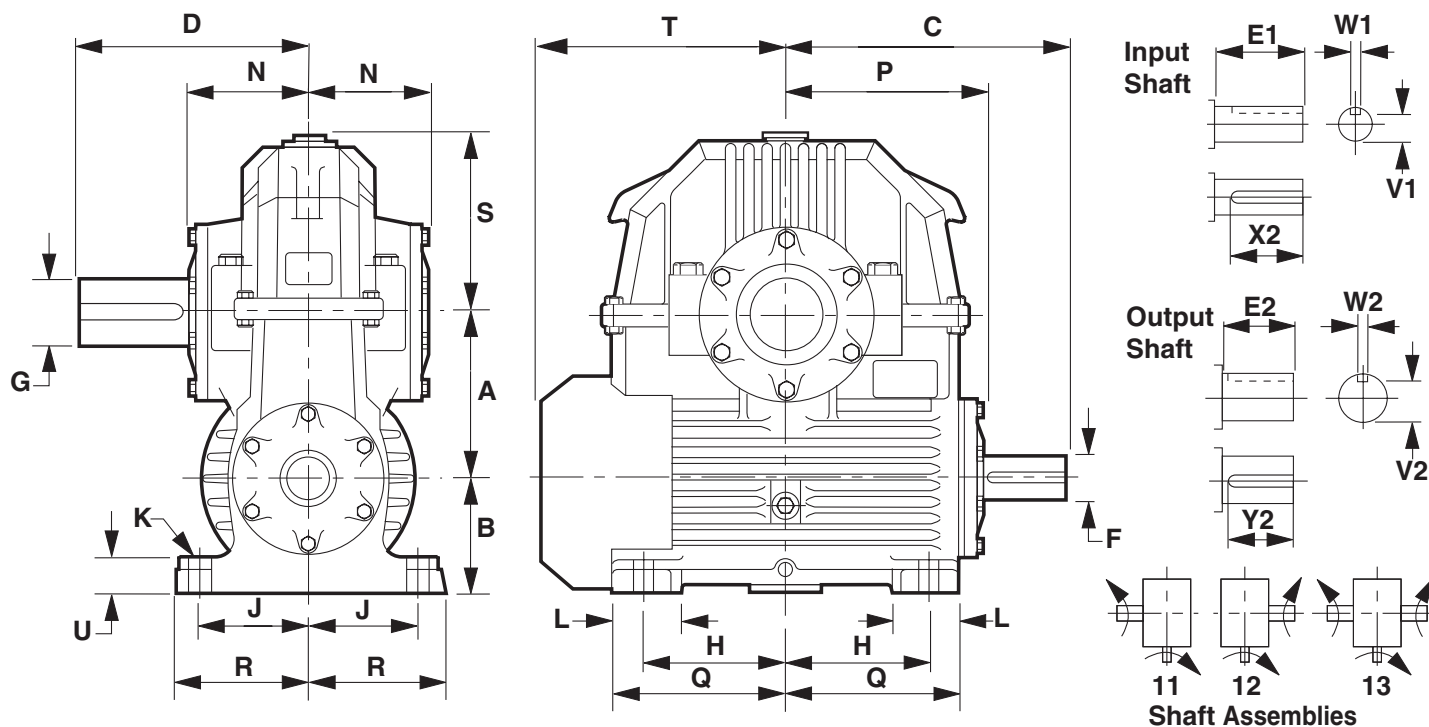
Input Shaft						
Size	E1	F		V1 min	W1	X1
		max	min			
4	2.52	1.2500	1.2495	1.102	0.250	2.38
5	2.99	1.5000	1.4995	1.283	0.375	2.88
6	2.99	1.5000	1.4995	1.283	0.375	2.88
7	3.50	1.7500	1.7490	1.536	0.375	3.38
8	3.74	1.7500	1.7490	1.536	0.375	3.63

Output Shaft						
Size	E2	G		V2 min	W2	X2
		max	min			
4	3.50	1.7500	1.7494	1.536	0.375	3.23
5	4.00	2.0000	2.0000	1.712	0.500	3.75
6	4.25	2.2500	2.2493	1.966	0.500	4.00
7	4.50	2.5000	2.4993	2.142	0.625	4.25
8	5.00	2.7500	2.7493	2.396	0.625	4.75

Type WMU Underdriven									
Size	Centre Distance A	B	B1	C	D	H	J	K	L
4	4.00	4.25	4.75	9.02	8.50	4.25	4.00	0.866	2.56
5	5.00	4.50	5.75	10.24	9.75	4.87	4.37	0.866	2.95
6	6.00	5.00	6.75	10.98	10.75	5.25	4.75	0.866	3.35
7	7.00	5.75	7.75	12.52	11.75	6.00	5.25	0.866	3.74
8	8.00	5.75	8.75	13.50	12.25	6.75	5.25	1.024	3.94

Type WMU Underdriven									
Size	N	P	Q	R	S	T	U	Oil Capacity (approx) Imp. Pints	Weight (approx) lbs
4	4.21	6.30	5.51	4.92	5.00	9.33	0.98	4.1	160
5	5.00	7.24	6.50	5.51	6.06	10.55	1.26	5.9	260
6	6.02	7.83	6.89	6.10	7.13	11.34	1.26	8.1	370
7	6.73	8.90	8.07	6.30	8.11	12.83	1.50	12.6	575
8	6.73	9.72	8.86	6.69	9.09	13.82	1.50	13.8	640

TW Series Speed Reducer



Dimensions (inch)

Input Shaft				
Unit Reference	E1	V1	W1	X1
TWU 10	4.94	2.148/2.142	0.625/0.627	4.69
TWU 12	6.13	2.577/2.571	0.750/0.752	5.81
TWU 14	6.57	2.577/2.571	0.750/0.752	6.25
TWU 17	6.75	3.007/3.001	0.875/0.877	6.44

Output Shaft				
Unit Reference	E2	V2	W2	X2
TWU 10	7.56	3.690/3.684	1.000/1.002	7.25
TWU 12	8.13	3.944/3.938	1.000/1.002	7.88
TWU 14	9.19	4.296/4.290	1.250/1.252	8.88
TWU 17	9.50	4.900/4.894	1.500/1.502	9.00

Type TWU Underdriven								
Unit Reference	A	B	C	D	F	G	H	J
TWU 10	10.0	6.75	16.75	14.75	2.500/2.499	4.250/4.249	8.50	6.50
TWU 12	12.0	7.50	19.50	16.25	3.000/2.999	4.500/4.499	10.25	7.25
TWU 14	14.0	8.50	22.50	19.00	3.000/2.999	5.000/4.999	11.75	8.50
TWU 17	17.0	10.00	25.50	21.50	3.500/3.499	5.750/5.749	15.00	10.00

Type TWU Underdriven												
Unit Reference	K	L	N	P	Q	R	S	T	U	Oil Capacity (approx)		Weight (approx) lbs.
										Litres	US Pints	
TWU 10	1.28	4.00	6.94	11.69	10.38	8.13	10.38	16.14	2.125	8.6	18.3	810
TWU 12	1.52	4.00	7.81	13.19	11.88	9.00	12.50	17.00	2.362	12.5	26.6	1,120
TWU 14	1.76	5.00	9.25	15.75	14.25	10.63	14.75	20.00	3.386	18.6	40.0	1,850
TWU 17	1.76	6.00	11.25	18.94	17.25	12.75	17.63	23.75	3.500	34.1	72.5	3,080

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