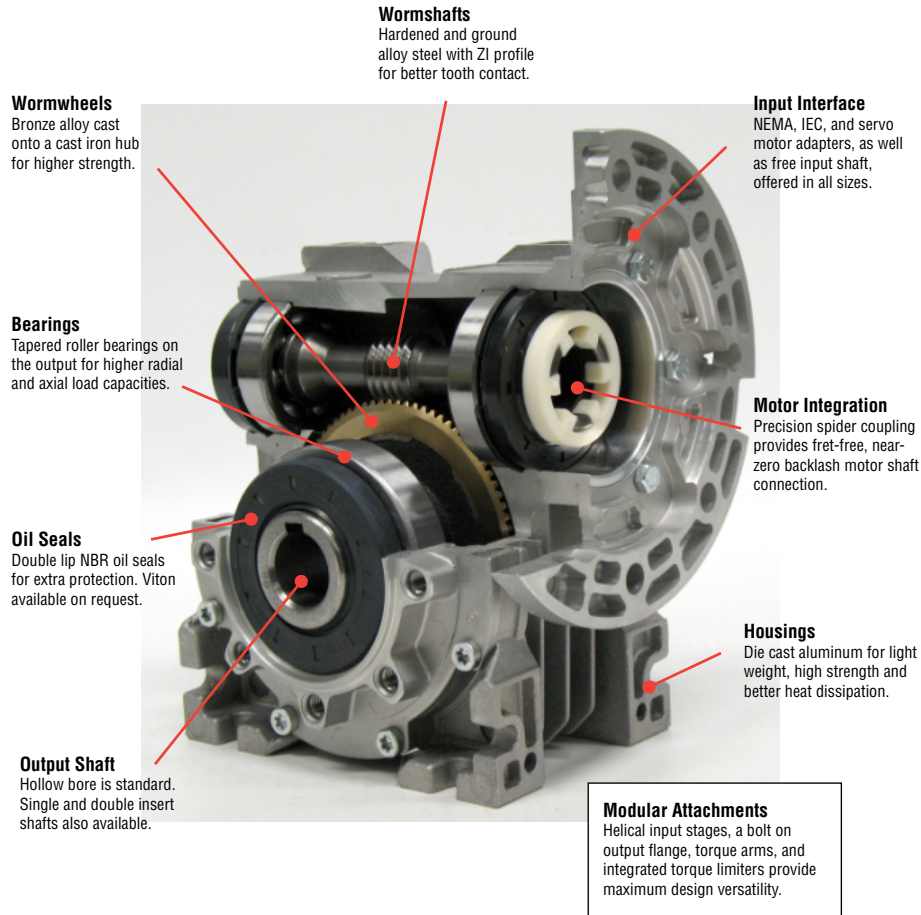


The Varvel Worm Speed Reducer

Providing Value Like No Other



The coupling is the thing!

Our unique integrated elastomer jaw coupling, along with a modular flange system and premium quality components, provides unmatched performance and flexibility, for use with NEMA, IEC, and servo motors. Available with inch or metric output shafts and bores.

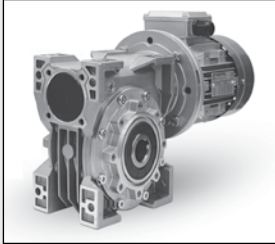
Top ten benefits of the coupling input connection:

1. Eliminates fretting corrosion common in quill mount.
2. Provides a near-zero backlash motor-to-reducer connection.
3. Reduces efficiency losses due to motor mounting misalignment.
4. Eliminates key/keyway wear in reversing applications.
5. One gearbox adaptable for NEMA, IEC, and servo motors.
6. One gearbox for multiple motor frame sizes.
7. Two bearing input support isolates motor bearings.
8. Elastomer element dampens vibration, reducing motor wear.
9. Motor heat transfer is minimized, increasing seal life.
10. Optional insert for ATEX explosion-proof applications.



Product Specifications

- Square design available in 7 sizes
- Center distance from 28 mm to 110 mm.
- Larger sizes available in alternate design.
- 12 single stage ratios from 5:1 to 100:1
- 2 stage ratios up to 10,000:1
- Standard NEMA or IEC motor adapters.
- Inch or metric hollow and standard shafts.
- Optional torque arms and bolt on flanges.



Also available with motors.

Model ⁽¹⁾	28	40	50	60	70	85	110
Ratio ⁽²⁾	Torque capacity in inlbs ⁽³⁾						
5	---	398	717	1106	1558	2469	---
7	159	398	664	1000	1469	2292	4646
10	159	407	664	1177	1593	2372	4708
15	159	389	655	1151	1664	2558	4956
20	142	345	575	1080	1717	2850	5726
28	177	425	752	1230	1912	2823	5682
40	150	372	637	1195	2106	2876	6115
49	150	363	673	1133	1673	2797	5584
56	133	336	628	1089	1593	2699	5266
70	106	319	558	1080	1443	2567	5620
80	106	283	513	938	1363	2478	4646
100	71	257	381	735	1151	1859	4151

(1) Larger sizes available in alternate design.

(2) Higher ratios available in two stage worm and helical worm designs.

(3) Based on 1750 RPM input speed.



Its appropriate that a high quality reducer has high quality tools to help integrate it. Varvel's VARSIZE online selection tool (www.varvel.com/en/varsize/) has everything you need to select, specify and download drawings and data sheets.

1. Pick a configuration identifying metric or inch units.
2. Enter your application information or requirements.
3. The program selects a range of appropriate solutions.
4. Pick the one you want and download 2D/3D drawings.
5. Print out a technical data sheet with all specifications.

Why Choose a Varvel Speed Reducer?

There are many worm speed reducers in the market, from the traditional cast iron models made for years in America, to the cast aluminum models, many of which come from Asia. But none offer the design, performance and value that come with the Varvel worm speed reducers, designed and manufactured completely in Italy.

European engineering and workmanship along with the advanced features assure high reliability while the modular system offers

unmatched versatility appropriate for both domestic and export markets. All these benefits come at a competitive price that adds exceptional value to your machine designs.

Don't be confused by products that look the same. Its what's inside that counts!