

SAE and DIN Overhung Load Adapters:

RMG offers quality overhung load adapters in standard, SAE A, SAE B, SAE C, SAE D and custom designed to meet your exact application requirements.

We have many successful years of field experience to insure our quality and reliability.

SAE A type adapter

SAE B type adapter



SAE C type adapter

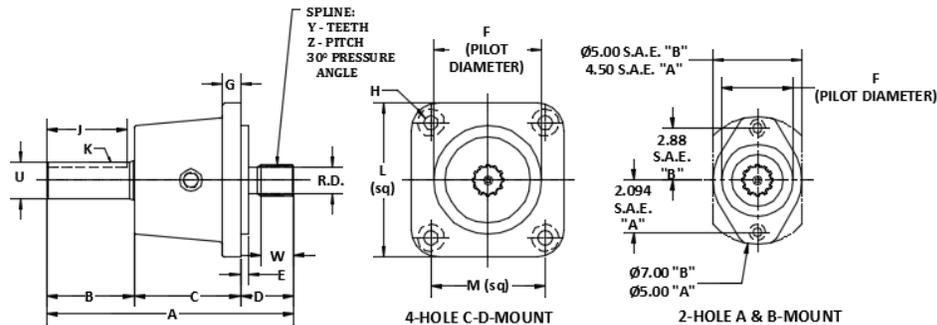
SAE D type adapter



Furnished with pre-heat-treated 4140 shafting, these input shaft assemblies are primarily intended to:

- Permit easy adaptation of standard electric motors to gear reducers and clutches which normally interface only with hydraulic motors.
- Permit the adaptation of belts and pulleys (instead of direct "plug in" hydraulic motors).
- Permit the adaptation of belts and pulleys coupling an electric motor to gear reducers for use with Variable Frequency Drives.
- The use of belts and pulleys (on either hydraulic motors or electric motors) with gear reducers, torque Hubs or clutches can often solve space problems. Additionally, by being able to belt drive the transmission equipment, it is possible to enjoy a wider selection of reduction ratios, speed values, and service factors.

Standard SAE Overhung Load Adapters Dimensions:



Mount	A	B	C	D	E	F	G	H	J
A	5.75	2.31	2.26	1.18	0.25	3.250-3.248	0.565	0.531	1.87
B	6.86	2.95	2.34	1.57	0.31	4.000-3.998	0.56	0.53	2.50
C	9.22	3.66	3.53	2.03	0.38	5.000-4.998	0.656	0.56	3.31
D	13.75	4.86	5.91	2.98	0.43	6.000-5.998	1	0.813	4.26

Mount	K-Keyway	L	M	R.D.	U	W	Y	Z	Weight in lbs.
A	.125x.250	---	---	---	1.125-1.124	1.80	9	16/32	5.50
B	.156x.312	---	---	0.719	1.375-1.374	1.40	13	16/32	11.50
C	.188x.375	5.75	4.50	1.045	1.500-1.499	0.81	14	12/24	19.00
D	.250x.500	8.50	6.36	1.451	2.000-1.999	0.69	13	8/16	52.50

Overhung Load Adapters Bearing Load Ratings:

The chart below is based on a standard L10 bearing life, with a continuous perpendicular load located half way along it's length (B/2).

Bearing Load in pounds

	L <sub>10</sub> HOURS	REVOLUTIONS PER MINUTE					
		500	1000	1500	2000	2500	3000
S.A.E. A-MOUNT RMG# D0200.01	200	1005	797	697	633	588	553
	500	740	588	513	466	433	407
	1000	588	466	407	370	344	323
	1960	469	373	326	296	275	258
	3000	407	323	282	257	238	224
	4100	367	291	255	231	215	202
S.A.E. B-MOUNT RMG# D0159	5100	341	271	237	215	200	188
	200	1125	893	780	709	658	619
	500	829	658	575	522	485	456
	1000	658	522	456	414	385	362
	1960	526	417	365	331	307	289
	3000	456	362	316	287	267	251
S.A.E. C-MOUNT RMG# D0266	4100	411	326	285	259	240	226
	5100	382	303	265	241	224	210
	200	1638	1300	1136	1032	958	901
	500	1207	958	837	760	706	664
	1000	958	760	664	603	560	527
	1960	765	607	531	482	448	421
S.A.E. D-MOUNT RMG# D1311	3000	664	527	460	418	388	365
	4100	598	475	415	377	350	329
	5100	556	442	386	351	325	306
	200	4902	3890	3399	3088	2866	2697
	500	3611	2966	2504	2275	2112	1987
	1000	2866	2275	1987	1806	1676	1577
RMG# D1311	1960	2290	1818	1588	1443	1339	1260
	3000	1987	1577	1378	1252	1162	1094
	4100	1791	1421	1242	1128	1047	986
	5100	1665	1322	1155	1049	974	916

Non-Standard Overhung Load Adapters:

We can custom design and build overhung load adaptors to your production requirements.

Most transmission equipment is installed with the axis horizontal.

When this equipment is installed with the axis VERTICAL and the input shaft assembly

ABOVE the gear reducer or clutch, special provisions must be made for lubrication.

Contact RMG factory office for details.

SEALED BEARING

SPHERICAL BEARING

SPECIAL SHAFT MATERIAL

DIN SPLINE

SPECIAL SHAFT CONFIGURATIONS

NOTE:

- All dimensions are in inches and are subject to change without notice.
- Please verify all dimensions prior to ordering.
- Contact our sales department for more information.