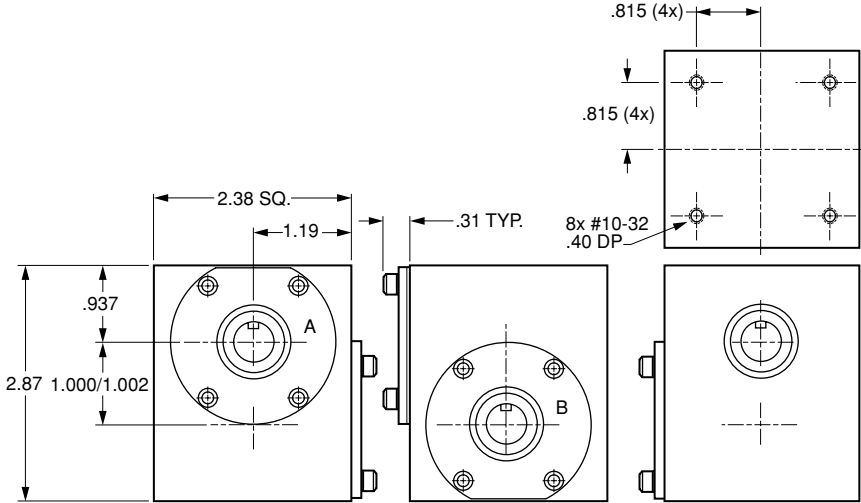


- HEAVY-DUTY SEALED BALL BEARINGS
- RIGHT- OR LEFT-HAND ROTATION
- RATED SPEEDS UP TO 1800 RPM
- 1:1 RATIO
- O-RING SEALED GEAR CASE
- KEYS INCLUDED
- SIMPLY ADD KEYED SHAFTING

MINI-SHAFT DRIVE



MATERIAL:

Shafts: 1144 Steel, Hollow Bore

Gears: 1045 Heat-Treated Steel

Case: Aluminum Alloy - Hard Anodized

Maximum Operating Temperature: 200°F

Catalog Number	Type	Hollow "A" Bore Size	Hollow "B" Bore Size
S991MY-6262RH	RH	5/8	5/8
S991MY-6262LH	LH		
S991MY-5062RH	RH	1/2	5/8
S991MY-5062LH	LH		
S991MY-5050RH	RH	1/2	1/2
S991MY-5050LH	LH		

NOTE: See page 5-7 for sizing equations.

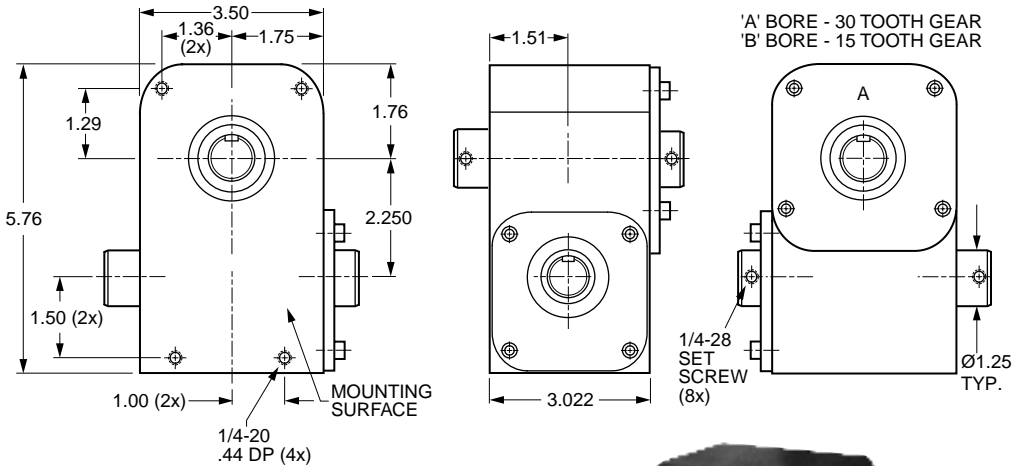
Type	Shaft Rotation	
	"A"	"B"
RH	CCW	CW
LH	CCW	CCW

rpm	Output Torque lb. in.
33	59
50	51
100	41
150	36
200	32
300	28
400	21
500	19
600	18
1000	15
1200	14
1800	12



- HEAVY-DUTY SEALED BALL BEARINGS
- RATED SPEEDS UP TO 1200 RPM
- KEYS INCLUDED
- 2:1 RATIO
- RIGHT- OR LEFT-HAND ROTATION
- O-RING SEALED GEAR CASE
- SIMPLY ADD KEYED SHAFTING

HOLLOW-SHAFT DRIVE



MATERIAL:

Shafts: 1144 Steel, Hollow Bore

Gears: 4140 Heat-Treated Steel

Case: Aluminum Alloy, Heat-Treated

Maximum Operating Temperature: 200°F

2:1 RATIO

Catalog Number	Type	Hollow "A" Bore Size	Hollow "B" Bore Size
S991HY-C7575RH	RH	3/4	3/4
S991HY-C7575LH	LH	3/4	3/4
S991HY-C6262RH	RH	5/8	5/8
S991HY-C6262LH	LH	5/8	5/8
S991HY-C7562RH	RH	3/4	5/8
S991HY-C7562LH	LH	3/4	5/8
S991HY-C6275RH	RH	5/8	3/4
S991HY-C6275LH	LH	5/8	3/4

NOTE: See page 5-7 for sizing equations.

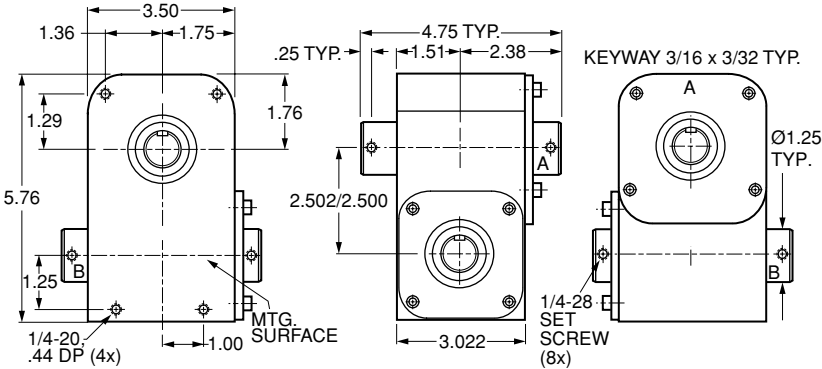
Type	Shaft Rotation	
	"A"	"B"
RH	CW	CW
LH	CW	CCW



Theoretical Output Torque, lb. in.			
Gear Reducer		Speed Increaser	
Input rpm	Output Torque	Output rpm	Output Torque
33	293	33	73
50	254	50	64
100	203	100	51
200	161	200	40
300	140	300	35
400	100	400	25
500	91	500	23
1000	73	1000	18
1200	70	1200	17

- HEAVY-DUTY SEALED BALL BEARINGS ■ RIGHT- OR LEFT-HAND ROTATION
- RATED SPEEDS UP TO 1200 RPM ■ 1:1 OR 3:2 RATIOS ■ SEALED GEAR CASE
- BUILT-IN KEYWAY ■ KEYS INCLUDED ■ SIMPLY ADD KEYED SHAFTING

HOLLOW-SHAFT DRIVE



MATERIAL: Shafts: 1144 Steel, Hollow Bore
 Gears: 4140 Heat-Treated Steel
 Case: Aluminum Alloy, Hard-Anodized

Maximum Operating Temperature: 200°F

1:1 RATIO

Catalog Number	Type	Hollow "A" Bore Size	Hollow "B" Bore Size
S991HY-A7575RH	RH	3/4	3/4
S991HY-A7575LH	LH		
S991HY-A6262RH	RH	5/8	5/8
S991HY-A6262LH	LH		
S991HY-A6275RH	RH	5/8	3/4
S991HY-A6275LH	LH		

1:1 RATIO

rpm	Output Torque lb. in.
33	236
50	205
100	163
200	130
300	113
400	80
500	73
1000	59
1200	56

Type	Shaft Rotation	
	"A"	"B"
RH	CW	CW
LH	CW	CCW

3:2 RATIO

Catalog Number	Type	Hollow "A" Bore Size	Hollow "B" Bore Size
S991HY-B7575RH	RH	3/4	3/4
S991HY-B7575LH	LH		
S991HY-B6262RH	RH	5/8	5/8
S991HY-B6262LH	LH		
S991HY-B6275RH	RH	5/8	3/4
S991HY-B6275LH	LH		

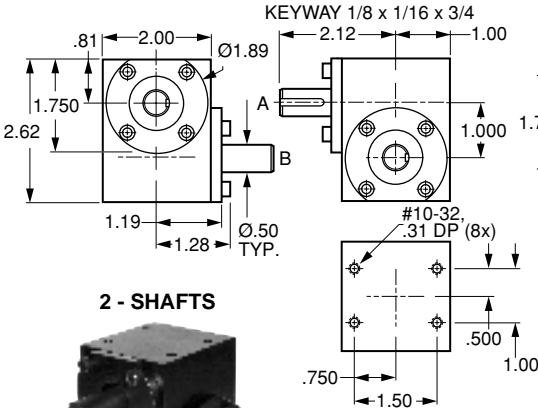
3:2 RATIO

Theoretical Output Torque, lb. in.			
Gear Reducer		Speed Increaser	
Input rpm	Output Torque	Output rpm	Output Torque
33	246	33	110
50	213	50	96
100	170	100	76
200	135	200	61
300	118	300	53
400	83	400	37
500	76	500	34
1000	61	1000	27
1200	59	1200	26

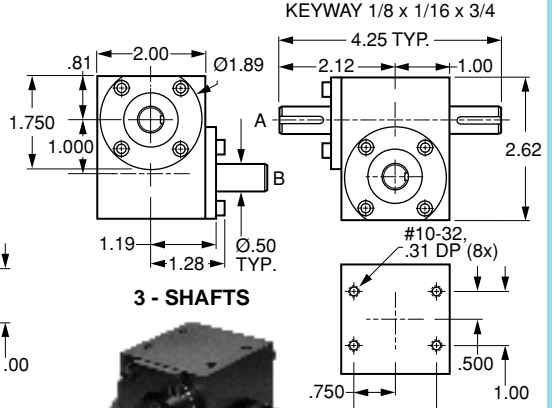
NOTE: See page 5-7 for sizing equations.

- RIGHT- AND LEFT-HAND ROTATION
- 1:1 RATIO
- SEALED GEAR CASE
- RATED SPEEDS UP TO 1800 RPM
- KEYS INCLUDED

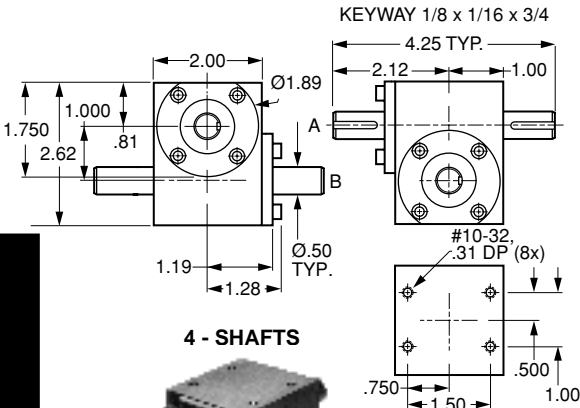
KEY-DRIVE



2 - SHAFTS



3 - SHAFTS



4 - SHAFTS



MATERIAL:

Gear & Shaft: 4140 Heat-Treated Steel

Case: Aluminum Alloy, Hard-Anodized

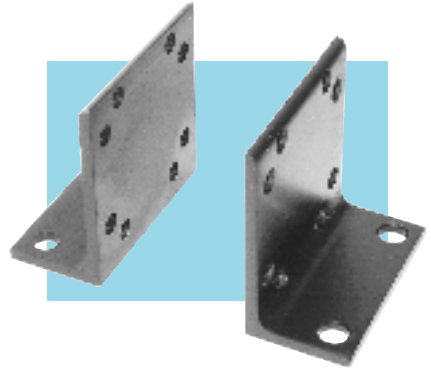
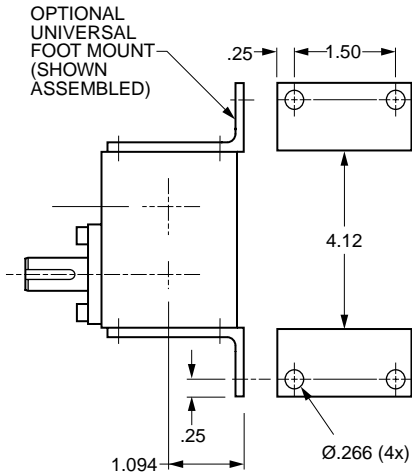
Maximum Operating Temperature: 200°F

Catalog Number	"A" Shaft Size	"B" Shaft Size	Type	Number of Shafts
S991SY-RH2	1/2	1/2	RH	2
S991SY-LH2			LH	
S991SY-RH3			RH	3
S991SY-LH3			LH	
S991SY-RH4			RH	4
S991SY-LH4			LH	

rpm	Output Torque in. lbs.
33	59
50	51
100	41
150	36
200	32
300	28
400	21
500	19
600	18
1000	15
1200	14
1800	12

Type	Shaft Rotation	
	"A"	"B"
RH	CCW	CW
LH	CCW	CCW

NOTE: Optional foot mount available. See page 5-7 for footmounts and sizing equations.



MATERIAL: 6061 Aluminum Alloy

FINISH: Black Anodize

Catalog Number
S9957Y-UFM

Sold as a set of 2

SIZING EQUATIONS*

Easy Sizing for 2:1 Ratio Drive

As a Gear Reducer:

$$\text{Input Torque, } \frac{\text{lb. in.}}{\text{lb. in.}} = \frac{\text{Output Torque}}{1.24}$$

As a Speed Inverter:

$$\text{Input Torque, } \frac{\text{lb. in.}}{\text{lb. in.}} = \frac{\text{Output Torque}}{.31}$$

*These equations are supplied as a guide. It is suggested that each application be prototyped and tested.

Easy Sizing for 1:1 and 3:2 Ratio Drives

As a Gear Reducer:

$$\text{1:1 Ratio Input Torque, } \frac{\text{lb. in.}}{\text{lb. in.}} = \frac{\text{Output Torque}}{.60}$$

$$\text{3:2 Ratio Input Torque, } \frac{\text{lb. in.}}{\text{lb. in.}} = \frac{\text{Output Torque}}{.78}$$

As a Speed Inverter:

$$\text{3:2 Ratio Input Torque, } \frac{\text{lb. in.}}{\text{lb. in.}} = \frac{\text{Output Torque}}{.35}$$