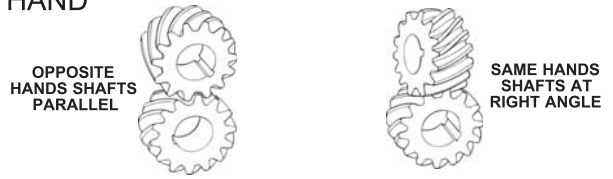


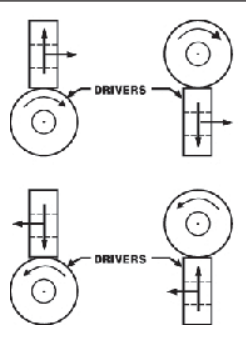
# HELICAL GEARS

## 45° HELIX ANGLE STEEL HARDENED RIGHT AND LEFT HAND

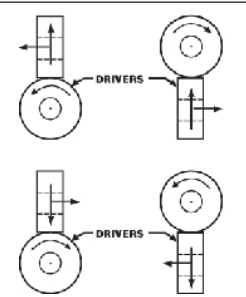


WHEN ORDERING, STATE CATALOG NUMBER AND HAND

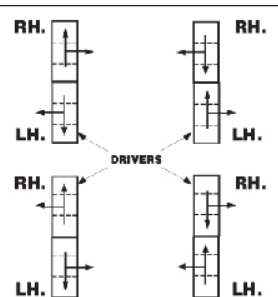
### 16-PITCH, 1/2" FACE - 22.63 NORMAL PITCH - 14-1/2° NOR. P.A.

CAT. NO.		TEETH	PITCH DIAM.	OUTSIDE DIAM.	HOLE	KEYWAY	WT. IN LBS.	DIRECTION OF ROTATION AND THRUST RIGHT HAND GEARS
R.H.	L.H.							
16HE-12R	16HE-12L	12	.750"	.838"	3/8"	1/16" X 1/32"	.06	
16HE-16R	16HE-16L	16	1.000"	1.088"	1/2"	1/8" X 1/16"	.10	
16HE-20R	16HE-20L	20	1.250"	1.338"	1/2"	1/8" X 1/16"	.15	
16HE-24R	16HE-24L	24	1.500"	1.588"	1/2"	1/8" X 1/16"	.20	
16HE-32R	16HE-32L	32	2.000"	2.088"	1/2"	1/8" X 1/16"	.40	
16HE-40R	16HE-40L	40	2.500"	2.588"	1/2"	1/8" X 1/16"	.60	
16HE-48R	16HE-48L	48	3.000"	3.088"	1/2"	1/8" X 1/16"	1.00	
12 Tooth Gears are hardened all over 16 to 48 Tooth Gears have teeth only hardened								

### 12-PITCH, 3/4" FACE - 16.97 NORMAL PITCH - 14-1/2° NOR. P.A.

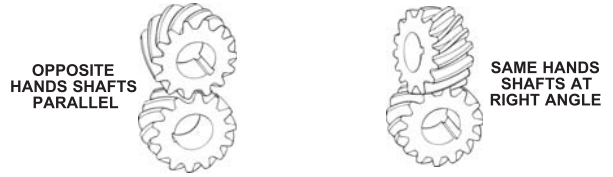
CAT. NO.		TEETH	PITCH DIAM.	OUTSIDE DIAM.	HOLE	KEYWAY	WT. IN LBS.	DIRECTION OF ROTATION AND THRUST LEFT HAND GEARS
R.H.	L.H.							
12HE-8R	12HE-8L	8	.666"	.783"	5/16"	1/16" X 1/32"	.05	
12HE-10R	12HE-10L	10	.833"	.950"	7/16"	1/8" X 1/16"	.07	
12HE-12R	12HE-12L	12	1.000"	1.117"	5/8"	"	.13	
12HE-15R	12HE-15L	15	1.250"	1.367"	"	"	.18	
12HE-18R	12HE-18L	18	1.500"	1.617"	"	"	.30	
12HE-24R	12HE-24L	24	2.000"	2.117"	"	"	.60	
12HE-30R	12HE-30L	30	2.500"	2.617"	"	"	.90	
12HE-36R	12HE-36L	36	3.000"	3.117"	"	"	1.40	
8, 10 & 12 Tooth Gears are hardened all over 15 to 36 Tooth Gears have teeth only hardened								

### 10-PITCH, 7/8" FACE - 14.14 NORMAL PITCH - 14-1/2° NOR. P.A.

CAT. NO.		TEETH	PITCH DIAM.	OUTSIDE DIAM.	HOLE	KEYWAY	WT. IN LBS.	DIRECTION OF ROTATION AND THRUST RIGHT AND LEFT HAND GEARS
R.H.	L.H.							
10HE-8R	10HE-8L	8	.800"	.941"	3/8"	1/16" X 1/32"	.10	
10HE-10R	10HE-10L	10	1.000"	1.141"	1/2"	1/8" X 1/16"	.13	
10HE-12R	10HE-12L	12	1.200"	1.341"	5/8"	"	.20	
10HE-15R	10HE-15L	15	1.500"	1.641"	3/4"	3/16" X 3/32"	.30	
10HE-20R	10HE-20L	20	2.000"	2.141"	"	"	.60	
10HE-25R	10HE-25L	25	2.500"	2.641"	"	"	1.00	
10HE-30R	10HE-30L	30	3.000"	3.141"	"	"	1.50	
10HE-40R	10HE-40L	40	4.000"	4.141"	"	"	2.90	
8, 10 & 12 Tooth Gears are hardened all over 15 to 36 Tooth Gears have teeth only hardened								

# HELICAL GEARS

## 45° HELIX ANGLE RIGHT AND LEFT HAND



WHEN ORDERING, STATE CATALOG NUMBER AND HAND

### 8-PITCH – 11.31 NORMAL PITCH – 14-1/2° NOR. P.A.

STEEL – TEETH HARDENED  
1" FACE WITHOUT HUB

BRONZE & STEEL – TEETH HARDENED  
3/4" FACE WITH HUB

CAT. NO.		PITCH TEETH	OUTSIDE DIAM.	DIAM.	HOLE	KEYWAY	WT. IN LBS.	CAT. NO.		O.D.	TEETH	PITCH DIAM.	OUTSIDE DIAM.	HOLE	HUB		KEYWAY	WT. IN LBS.
R.H.	L.H.							STEEL R.H.&L.H.	BRONZE R.H.&L.H.						DIA.	PROJ.		
8HE-8R	8HE-8L	8	1.000"	1.176"	1/2"	1/8" X 1/16"	.20	8SHE-8	8BHE-8	1.176	8	1.000"	1.176"	1/2"	3/4"	1/2"	1/8" X 1/16"	.20
8HE-10R	8HE-10L	10	1.250"	1.426"	5/8"	1/8" X 1/16"	.25	8SHE-10	8BHE-10	1.426	10	1.250"	1.426"	5/8"	1"	1/2"	1/8" X 1/16"	.25
8HE-12R	8HE-12L	12	1.500"	1.676"	3/4"	3/16" X 3/32"	.35	8SHE-12R	8BHE-12	1.676	12	1.500"	1.676"	3/4"	1-1/4"	1/2"	3/16" X 3/32"	.40
8HE-16R	8HE-16L	16	2.000"	2.176"	7/8"	3/16" X 3/32"	.70	8SHE-16	8BHE-16	1.676	16	2.000"	2.176"	1"	1-5/8"	1/2"	1/4" X 1/8"	.80
8HE-20R	8HE-20L	20	2.500"	2.676"	7/8"	3/16" X 3/32"	1.10	8SHE-20	8BHE-20	2.676	20	2.500"	2.676"	1"	2"	1/2"	1/4" X 1/8"	1.00
8HE-24R	8HE-24L	24	3.000"	3.176"	7/8"	3/16" X 3/32"	1.70	8SHE-24	8BHE-24	3.176	24	3.000"	3.176"	1"	2"	1/2"	1/4" X 1/8"	1.80
8HE-32R	8HE-32L	32	4.000"	4.176"	7/8"	3/16" X 3/32"	3.25	8SHE-32	8BHE-32	4.176	32	4.000"	4.176"	1"	2"	1/2"	1/4" X 1/8"	2.40
								8SHE-40	8BHE-40	5.176	40	5.000"	5.176"	1"	2"	1/2"	1/4" X 1/8"	3.50
								8SHE-48	8BHE-48	6.176	48	6.000"	6.176"	1"	2-1/4"	1/2"	1/4" X 1/8"	5.50

### 6-PITCH – 8.48 NORMAL PITCH – 14-1/2° NOR. P.A.

STEEL – TEETH HARDENED  
1-1/4" FACE WITHOUT HUB

BRONZE & STEEL – TEETH HARDENED  
1" FACE WITH HUB

CAT. NO.		PITCH TEETH	OUTSIDE DIAM.	DIAM.	HOLE	KEYWAY	WT. IN LBS.	CAT. NO.		O.D.	TEETH	PITCH DIAM.	OUTSIDE DIAM.	HOLE	HUB		KEYWAY	WT. IN LBS.
R.H.	L.H.							STEEL R.H.&L.H.	BRONZE R.H.&L.H.						DIA.	PROJ.		
6HE-8R	6HE-8L	8	1.333"	1.568"	5/8"	1/8" X 1/16"	.25	6SHE-8	6BHE-8	1.568	8	1.333"	1.568"	5/8"	1"	3/4"	1/8" X 1/16"	.40
6HE-10R	6HE-10L	10	1.666"	1.901"	3/4"	3/16" X 3/32"	.50	6SHE-9	6BHE-9	1.735	9	1.500"	1.735"	3/4"	1-3/16"	3/4"	3/16" X 3/32"	.50
6HE-12R	6HE-12L	12	2.000"	2.235"	1"	1/4" X 1/8"	.75	6SHE-10	6BHE-10	1.901	10	1.666"	1.901"	3/4"	1-3/8"	3/4"	3/16" X 3/32"	.70
6HE-15R	6HE-15L	15	2.500"	2.735"	1"	1/4" X 1/8"	1.40	6SHE-12	6BHE-12	2.235	12	2.000"	2.235"	1"	1-5/8"	3/4"	1/4" X 1/8"	1.00
6HE-18R	6HE-18L	18	3.000"	3.235"	1"	1/4" X 1/8"	2.20	6SHE-15	6BHE-15	2.735	15	2.500"	2.735"	1-1/4"	2"	3/4"	5/16" X 5/32"	1.40
6HE-24R	6HE-24L	24	4.000"	4.235"	1"	1/4" X 1/8"	4.00	6SHE-18	6BHE-18	3.235	18	3.000"	3.235"	1-1/4"	2-1/4"	3/4"	5/16" X 5/32"	2.30
								6SHE-20	6BHE-20	3.568	20	3.333"	3.568"	1-1/4"	2-1/2"	3/4"	5/16" X 5/32"	3.00
								6SHE-24	6BHE-24	4.235	24	4.000"	4.235"	1-1/4"	2-1/2"	3/4"	5/16" X 5/32"	4.00
								6SHE-30	6BHE-30	5.235	30	5.000"	5.235"	1-1/4"	2-1/2"	3/4"	5/16" X 5/32"	5.00
								6SHE-36	6BHE-36	6.235	36	6.000"	6.235"	1-1/4"	2-1/2"	3/4"	5/16" X 5/32"	6.80

All steel gears have teeth only hardened

Bronze and Steel Hardened, Helical Gears WITH HUB Have a setscrew in the Hub at 90° to the keyway.