

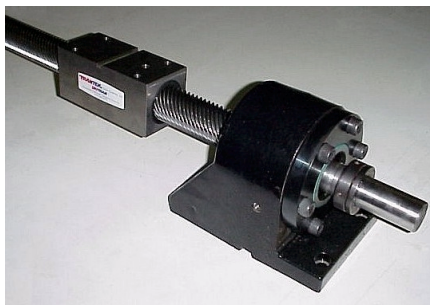
HSD1843 High Speed Drive

One complete HSD1843 High Speed Drive system consists of one DriTran epoxy composite nut, three TranTek drive screws, two standoffs and supports for each end. After considering all design criteria, use the ordering guide below to determine your standard part number. First, enter a three-digit *index length*, and then enter the letter that corresponds to your desired standard *mounting nut style*.

Typical Applications

Medium to heavy duty industrial processing
Horizontal and vertical axis material handling equipment
Automatic machine operation systems

Specifications:	
Major Diameter	1.875"
Minor Diameter	1.643"
Screw Lead	4.00"
Thread Starts	16
Thread Flank Angle	22.5°
Nut Length	6.5"
Load Surface Area	18.8in ₂

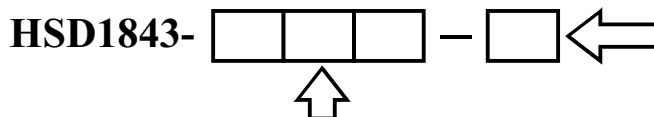


Optional Length Characteristics

Available Index *	Threaded Screw Length	Unsupported Screw Length	Total Screw Length	Critical R.P.M.	Critical Speed (ips)
192"	208.06"	69.50"	220.94"	1295	86
216"	232.06"	77.50"	244.96"	1042	69
240"	256.06"	85.50"	268.94"	856	57
264"	280.06"	93.50"	292.94"	716	48
288"	304.06"	101.50"	316.94"	607	40
312"	328.06"	109.50"	340.94"	522	35
336"	352.06"	117.50"	364.94"	453	30
360"	376.06"	125.50"	388.94"	397	26

Note: Standard Index lengths are available from 192" to 360" in 6" increments.
 * Extra room is available for shocks, bumpers, hard stops, or other design considerations

Ordering Guide



Enter a three-digit index length. For example, for a 192" index length enter "192". Note: All index lengths are available from 192" to 360" in 6" increments.

Mounting Nut Style

B = Block
F = Foot

Refer to drawings on previous page.

