

Drive Shaft ▶ Shoulder Type



Please order according to the diagram

①~⑥ Select the type and parameters in the order of for ordering

Optional Processing

Model(●Code) - ●D - ●L - ●T - ●P - ●E - MA() MD() MP()...
NECAQ D8 L300 T5 P6 E40 MA-MD

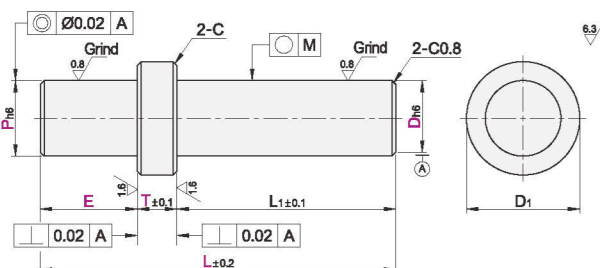


Discounted Price
Quantity 1~9 10~
Price 100% Separate Quotation
Price Excluding Tax (¥/mm)



CAD 2D 3D

Code	Type	Material		Hardness	Surface Treatment
		International	Equivalent		
NECAQ	Shoulder Type	45	S45C	—	—
NECAH		—	—		Black Oxide Finish
NECAJ		0Cr18Ni9	SUS304	High-frequency quenching, Surface hardness 48HRC	Electroless Nickel Plating
NECAK		45	S45C		—
NECBH					



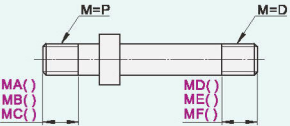
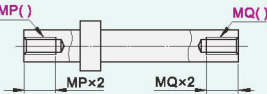
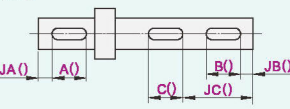
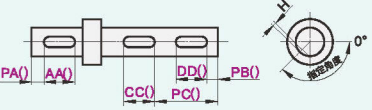
With tool withdrawal groove on both sides of the step, width less than 1.5, depth grade 0.3

D _{hg}	Roundness M
8	0.003
10	
12~12A	
15	
17~17A	0.005
20	
25	
30	
35	0.005
40	
45	0.005

Model		●L Minimum Unit 0.5	●T Selection	●P Minimum Unit 1	●E Minimum Unit 0.5	D ₁	C
●Code	●D						
NECAQ NECAH NECAJ NECAK NECBH	8	45.0~300.0	5 10 15 20	6~9	4.0~40.0	12	1
	10			8~12	5.0~50.0	15	0.5
	12			10~13	5.0~60.0	20	2
	12A			12~18	5.0~75.0	25	1
	15	95.0~400.0	10 15 20 25	14~18	5.0~100.0	30	0.5
	17			14~20	—	35	2
	17A			17~23	—	40	0.5
	20			20~28	10.0~125.0	50	1
	25	95.0~500.0	10 20 30	25~33	15.0~150.0	—	0.5
	30			28~38	—	—	—
	35			35~47	—	—	—
	40			35~48	20.0~150.0	—	—
	45	195.0~500.0	40 50	—	—	—	—

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Optional Processing

Model		Optional Processing	Technical Specification																																																																										
Left end	Right end																																																																												
MA() MB() MC()	MD() ME() MF()	Addition of external thread 	Selection Method MA15-ME15 <table><tr><th>Code</th><th>Precision Grade</th></tr><tr><td>MA MD</td><td>Coarse thread</td></tr><tr><td>MB ME</td><td>Fine Thread (Ordinary Grade)</td></tr><tr><td>MC MF</td><td>Fine Thread (Precision Grade)</td></tr></table> ① D, P=M When assignable. <table><tr><th>M (Coarse thread) × P</th><th>M (Fine thread) × P</th></tr><tr><td>M5 × 0.8</td><td>M5 × 0.5</td></tr><tr><td>M6 × 1.0</td><td>M6 × 0.75</td></tr><tr><td>M8 × 1.25</td><td>M8 × 0.75</td></tr><tr><td>M10 × 1.5</td><td>M10 × 0.75</td></tr><tr><td>M12 × 1.75</td><td>M12 × 1.0</td></tr><tr><td>M20 × 2.5</td><td>M15 × 1.0</td></tr><tr><td>M24 × 3</td><td>M17 × 1.0</td></tr><tr><td>M30 × 3.5</td><td>M20 × 1.0</td></tr><tr><td>M36 × 4</td><td>M25 × 1.5</td></tr></table>	Code	Precision Grade	MA MD	Coarse thread	MB ME	Fine Thread (Ordinary Grade)	MC MF	Fine Thread (Precision Grade)	M (Coarse thread) × P	M (Fine thread) × P	M5 × 0.8	M5 × 0.5	M6 × 1.0	M6 × 0.75	M8 × 1.25	M8 × 0.75	M10 × 1.5	M10 × 0.75	M12 × 1.75	M12 × 1.0	M20 × 2.5	M15 × 1.0	M24 × 3	M17 × 1.0	M30 × 3.5	M20 × 1.0	M36 × 4	M25 × 1.5																																														
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MP() MQ()	MP() MQ()	Add internal thread 	Selection Method MP5-MQ5 <table><tr><th colspan="2">Selection</th></tr><tr><th>MP (Coarse thread)</th><th>MQ (Coarse thread)</th></tr><tr><td>M3 M4 M5 M6 M8 M10</td><td></td></tr><tr><td>M12 M16 M20 M24 M30 M36</td><td></td></tr></table>	Selection		MP (Coarse thread)	MQ (Coarse thread)	M3 M4 M5 M6 M8 M10		M12 M16 M20 M24 M30 M36																																																																			
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JA() JB() JC()	JB() JC()	Add keyway 	Selection Method JA20-A20-JB20-B10 ① Minimum Unit 1 ② A, B, C=3~100 ③ For keyway details, see the product brief of the rotating shaft.																																																																										
		PA() PB() PC()	PB() PC()	Add keyway + flat surface 	Selection Method PA40-AA20-KA90 ① Minimum Unit 1 ② PA, PB, PC=3~100 ③ For keyway details, see the product brief of the rotating shaft. ④ Specify code table: <table><tr><th>Specify keyway position</th><th>Specify keyway width</th><th>Specify angle</th></tr><tr><th></th><th></th><th>Minimum Unit 30°</th></tr><tr><td>PA</td><td>AA</td><td>KA</td></tr><tr><td>PB</td><td>DD</td><td>KB</td></tr><tr><td>PC</td><td>CC</td><td>KC</td></tr></table> ⑤ KA, KB, KC= Minimum Unit 30° ⑥ KA, KB, KC=30°~330° <table><tr><th>D-P</th><th>6~17</th><th>18~40</th><th>41~48</th></tr><tr><td>H</td><td>1</td><td>2</td><td>3</td></tr></table>	Specify keyway position	Specify keyway width	Specify angle			Minimum Unit 30°	PA	AA	KA	PB	DD	KB	PC	CC	KC	D-P	6~17	18~40	41~48	H	1	2	3																																																	
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DA() DB()	DB()	Addition of retainer groove 	Selection Method DA10-DB10 ① Minimum Unit 1 ② DA(DB)=4~E-3 ③ With retaining ring attached ④ For details of the retaining ring groove size, please refer to the drive shaft product overview. ⑤ When P, D are below 8, use type E retaining ring; when P is above 9 and D is above 10, use type C retaining ring.																																																																										
		BA() BB()	BC()	Addition of wrench slots, 	Selection Method BA5-BB10-BC ① BA, BB= Minimum Unit 1 <table><tr><th>D</th><th>8</th><th>10</th><th>12</th><th>15</th><th>17</th><th>20</th><th>25</th><th>30</th><th>35</th><th>40</th><th>45</th></tr><tr><td>W</td><td>7</td><td>8</td><td>10</td><td>13</td><td>14</td><td>17</td><td>22</td><td>27</td><td>30</td><td>36</td><td>38</td></tr><tr><td>V</td><td>10</td><td></td><td></td><td></td><td>12</td><td></td><td>16</td><td></td><td>20</td><td></td><td></td></tr><tr><td>P</td><td>6</td><td>7</td><td>8~10</td><td>11~13</td><td>14~15</td><td>16~18</td><td>19~21</td><td>22~25</td><td>26~28</td><td>29~31</td><td>32~37</td></tr><tr><td>W1</td><td>5</td><td>5.5</td><td>7</td><td>10</td><td>13</td><td>14</td><td>17</td><td>19</td><td>22</td><td>27</td><td>30</td></tr><tr><td>V</td><td>10</td><td></td><td></td><td></td><td>12</td><td></td><td>16</td><td></td><td>20</td><td></td><td></td></tr></table>	D	8	10	12	15	17	20	25	30	35	40	45	W	7	8	10	13	14	17	22	27	30	36	38	V	10				12		16		20			P	6	7	8~10	11~13	14~15	16~18	19~21	22~25	26~28	29~31	32~37	W1	5	5.5	7	10	13	14	17	19	22	27	30	V	10				12		16		20		
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FA() FB()	FB()	Add two flat surfaces at a specified angle 	Selection Method FA15-EE10-KH30 ① Specify the position, length, and angle of the flat surface. When specifying 0°, it means processing one flat surface. ② Minimum Unit 1 ③ KH, KG=0°~330° ④ For details of the specified code <table><tr><th>Specify flat surface processing position</th><th>Specify flat surface processing width</th><th>Specify angle</th></tr><tr><th></th><th></th><th>Minimum Unit 30°</th></tr><tr><td>FA</td><td>EE</td><td>KH</td></tr><tr><td>FB</td><td>FF</td><td>KG</td></tr></table> ⑤ D-P h 6~17 18~40 41~48 ⑥ h 1 2 3	Specify flat surface processing position	Specify flat surface processing width	Specify angle			Minimum Unit 30°	FA	EE	KH	FB	FF	KG																																																														
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TJ(js6) TK(k6)		Change D tolerance 	Selection Method TJ ① Change the tolerance of D dimension to js6, k6																																																																										

Regarding the selection of drive shafts:

1. Use the specification table to select the basic shape and size of the drive shaft.
2. Utilize optional processing to select necessary processing such as threading and keyway machining for the drive shaft according to needs.

Selection example

Select optional processing: 2 external threads, 2 keyways.

