

Rollers

Urethane Thickness Selectable

RoHS10

Type			Material		Hardness	Bearing
No Bearing	With Bearings	Core	Lining			
ROEUHS	ROERUHS	SUS304	Urethane	Shore A95	Steel	
ROEUHA	ROERUHA	A5052				
ROEUS	ROERUS	SUS304	Urethane	Shore A90	Steel	
ROEUA	ROERUA	Aluminum Alloy (ROEUA) (ROEUA) (AS052) (ROECRUA)				
ROEGS	ROERGS	SUS304	Urethane	Shore A70	Steel	
ROEGA	ROERGA	Aluminum Alloy (ROEGA) (ROEGA) (AS052) (ROECRGA)				
-	ROERHS	SUS304	Urethane	Shore A50	Steel	
-	ROERHA	Aluminum Alloy (ROERHA) (AS052) (ROECRHA)				

① When L < dx3, hole d is machined from the same direction.
② When L > dx3, hole d is machined from both ends as shown below. There may be no relief in some cases.

③ Urethane is baked on the outer circumference of the core material.

No Bearing Type				With Bearings													
Part Number	Type	D	dH7 Selection	L 10mm Increment	T Selection	Part Number	Type	D	d Selection	L 10mm Increment	T Selection	D1	dh	B	Bearing Used		
Straight	ROEUHS	20	8	20~100	5	Straight	ROERUHS	40	8	20~100	5	19	15	6	698ZZx2		
	ROEUHA	25	8 10 12				10	22	18							6	6900ZZx2
	ROEUS	35	8 10 12 15				12	28	24							8	6001ZZx2
	ROEUA	40	8 10 12 15				15	32	28							9	6002ZZx2
	ROEGS	50	10 12 15 20				12	28	24							8	6001ZZx2
	ROEGA	60	12 15 20 25				15	32	28							9	6002ZZx2
Crowned	ROEUS	40	8 10 12 15	30~100	10	ROECRUS	40	8	30~100	10	42	36	12	6004ZZx2			
	ROEUA	50	10 12 15 20			12	47	41							12	6005ZZx2	
	ROEGS	60	12 15 20 25			15	42	36							12	6004ZZx2	
	ROEGA	80	15 20 25 30			12	47	41							12	6005ZZx2	
	ROEUS	100	20 25 30 40			15	55	48							13	6006ZZx2	
	ROEUA	100	20 25 30 40			20	55	48							13	6006ZZx2	

④ For bearing detailed dimensions, see P989.

D	L	Unit Price Straight					
		ROEUHS	ROEUHA	ROEUS	ROEUA	ROEGS	ROEGA
20	20						
20	30, 40, 50						
20	60~100						
25	20						
25	30, 40, 50						
25	60~100						
30	20						
30	30, 40, 50						
30	60~100						
35	20						
35	30, 40, 50						
35	60~100						
40	20						
40	30, 40, 50						
40	60~100						
40	30, 40, 50						
40	60, 70						
50	30, 40, 50						
50	60~100						
50	30, 40, 50						
50	60, 70						
60	30, 40, 50						
60	60, 70						
60	80, 90, 100						
80	30, 40, 50						
80	60, 70						
80	80, 90, 100						
100	30, 40, 50						
100	60, 70						
100	80, 90, 100						

Ordering Example: Part Number - d - L - T

ROEUS60 - 20 - 50 - T5

Alterations Example: Part Number - d - L - T - (MC)

ROEUA50 - 12 - 50 - T5 - MC

D	L	Unit Price											
		Straight						Crowned					
		ROEUHS	ROEUHA	ROERUS	ROERUA	ROERGS	ROERGA	ROERHS	ROERHA	ROECRUS	ROECRUA	ROECRGA	ROECRHA
40	20												
40	30, 40, 50												
40	60~100												
50	30, 40, 50												
50	60~100												
60	30, 40, 50												
60	60, 70												
60	80, 90, 100												
80	30, 40, 50												
80	60, 70												
80	80, 90, 100												
100	30, 40, 50												
100	60, 70												
100	80, 90, 100												

Alteration Code: MC

Spec. Adds 2 tapped holes at 90°.

D	M
35, 40	4
50, 60, 80	5
100	6

Ordering Code: MC

⑤ Applicable to "No Bearing" Type only.

Plastic Rollers

Milled, Press Fit

RoHS10

Type		Material Body	Bearing
Straight	Double Flanged		
RORPOS	RORPOWF	Polyacetal	Steel
RORPHS	RORPHWF		Stainless Steel
RORPES	RORPEWF	UHMWPE	Steel
RORPJS	RORPJWF		Stainless Steel
RORPSS	-	Polypropylene	Steel
RORPQS	-		Stainless Steel
RORMCS	RORMCWF	MC Nylon	Steel

⑥ Bearings are press-fit.

⑦ Milled Type

⑧ Press Fit

⑨ Core is press fit in plastic.

Milled, Straight										Milled, Double Flanged																												
Part Number	Type	No.	L 1mm Increment	Bearing Used	D	D1	d	B	(dh)	Part Number	Type	No.	D	L	1mm Increment	Bearing Used	F	D1	d	B	(dh)																	
RORPOS	Straight	20	15~100	696ZZx2	20	15	6	5	10	RORPOWF	Straight	40	30~35	20~100	5~10	5~10	6900ZZx2	40	22	10	6	18																
		30	15~100	698ZZx2	30	19	8	6	15			RORPHWF	Straight	50	35~45	40~100	5~10	5~10	6001ZZx2	50	28	12	8	24														
		30-10	15~100	6900ZZx2	30	22	10	6	15					RORPEWF	Straight	60	40~55	40~100	5~20	5~20	6002ZZx2	60	32	15	9	28												
		30-12	15~100	6901ZZx2	30	24	12	6	18							RORMCWF	Straight	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28										
		40	20~100	6900ZZx2	40	22	10	6	18									RORPHS	Straight	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28								
		40-12	20~100	6901ZZx2	40	24	12	6	18											RORPJS	Straight	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28						
		40-15	20~100	6902ZZx2	40	28	15	7	24													RORPSS	Straight	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28				
		40-20	20~100	6804ZZx2	40	32	20	7	24															RORPQS	Straight	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28		
		50	30~100	6001ZZx2	50	28	12	8	24																	RORMCS	Straight	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
		60	30~100	6002ZZx2	60	32	15	9	28																			RORMCS	Straight	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15
80	30~100	6002ZZx2	80	32	15	9	28	RORMCS	Straight	80	40~75																			40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28			RORMCS	Straight	80	40~75																	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28					RORMCS	Straight	80	40~75															40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28							RORMCS	Straight	80	40~75													40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28									RORMCS	Straight	80	40~75											40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28											RORMCS	Straight	80	40~75									40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28													RORMCS	Straight	80	40~75							40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28															RORMCS	Straight	80	40~75					40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28																	RORMCS	Straight	80	40~75			40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28																			RORMCS	Straight	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28	RORMCS	Straight																			80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28			RORMCS	Straight																	80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28					RORMCS	Straight															80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28							RORMCS	Straight													80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28									RORMCS	Straight											80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28											RORMCS	Straight									80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28													RORMCS	Straight							80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28															RORMCS	Straight					80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32	15	9	28																	RORMCS	Straight			80	40~75	40~100	5~20	5~20	6002ZZx2	80	32	15	9	28
80	30~100	6002ZZx2	80	32</																																		